

TRADE DATA STUDY—CENTRAL BASIN OF WEST AFRICA

Rapid Market-Based Situation Analysis Component

Ghana, Burkina Faso, Togo and Benin - with reference to Ivory Coast, Mali, Niger and Nigeria

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Acronyms

ATP	USAID Agribusiness and Trade Promotion Project
E-ATP	USAID Expanded Agribusiness and Trade Promotion Project
BF	Burkina Faso (notation used in data tables)
BN	Benin (notation used in data tables)
CI	Ivory Coast (notation used in data tables)
FCFA	West African CFA Franc
ECOWAS	Economic Community of West Africa
GH	Ghana (notation used in data tables)
ITCZ	Inter-Tropical Convergence Zone
ML	Mali (notation used in tables)
NE	Niger (notation used in data tables)
NG	Nigeria (notation used in data tables)
TG	Togo (notation used in data tables)
UEMOA	<i>Union Economique et Monétaire Ouest Africaine</i>
USAID	United States Agency for International Development

Executive Summary

This report provides a rapid, market-based situation analysis, based on the findings of a study undertaken as a means of generating complementary data based on professional estimates of trade flow of food commodities across borders in the countries of Ghana, Burkina Faso, Togo and Benin, including commerce between these four countries and Ivory Coast, Mali, Niger and Nigeria. While simultaneous similar fact-finding missions were undertaken by colleagues Peter White and Ed Keturakis, the nature of this study was less a general situation analysis, and more a means of generating trade flow estimates for specific food commodities across borders between the ECOWAS countries.

An initial 238 annual flows were assembled based on a wide variety of flow estimates and price averages from the 62 market points surveyed. Estimates of annual product flow across along corridors and across specific borders and have been calculated, drawing from a variety of estimated figures provided by over 500 key informants, based on a focus group methodology.

While it was not possible to objectively verify the data presented herein, the team observed numerous indications of a substantial volume of cross-border regional trade passing through unmonitored secondary and tertiary routes, with considerable trade-off in transport costs undertaken to avoid border formalities and checkpoints. While ‘road harassment’ (*tracasserie routière*) including border obstructions and delays was commonly mentioned and observed (particularly in Benin), the proportion of product value allocated to these costs is estimated at about 10-15% of total transport costs in most cases.

The data describe a complex picture for maize, sorghum and millet, with product flows crossing the same border in different directions at different times of the year, according to seasonality – but pronounced net flows of maize into Niger from all countries studied, and pronounced net flows of sorghum out of Niger to all countries studied. Livestock flow was assessed between Burkina Faso (and probably Mali) to Ivory Coast, Ghana and particularly Nigeria via Benin.

Major Value Chains by Annual Volume and Value (as Table 4 in text)

	product (unit):	quantity per annum:	valued at:	ave. price:
1	Cattle	389,791 head	\$ 219.55 m	\$ 563
2	Maize	356,029 MT	\$ 119.90 m	\$ 337
3	Cowpea	77,511 MT	\$ 60.22 m	\$ 777
4	Millet	57,040 MT	\$ 28.33 m	\$ 497
5	Sorghum	51,824 MT	\$ 20.01 m	\$ 386

Systemic issues affecting trade within the study area include:

- Existence of semi-official export bans, often communicated verbally or by telephone, in contravention of inter-governmental agreements between the ECOWAS states;
- Official or semi-official interdiction of non-national traders and vehicles from crossing certain borders, most notably in the case of Ivory Coast which restricts access of Ghanaian traders and Ghana-registered vehicles from entry at border crossings with Brong Ahafo Region;
- Security of passage in many areas, most notably border regions between Burkina Faso and Ghana, Benin and Niger, and between Benin and Nigeria;
- Access to currency exchange facilities; and
- Access to (or functionality of) systems of market credit including the capital required to consolidate aggregated shipments of a minimum 35 MT for cross-border transport.

I. Introduction

This report presents the findings of a study undertaken as a means of generating complementary data based on professional estimates of trade flow of food commodities across borders in the countries of Ghana, Burkina Faso, Togo and Benin, including commerce between these four countries and Ivory Coast, Mali, Niger and Nigeria.

Though this report provides a rapid, market-based situation analysis, it is understood that the most relevant and useful analysis concerns the generation of estimated flows of specific food commodities in trade between regional markets (i.e. across national borders), including where possible details of prices by quantities moving on an annual basis, and ideally throughout the seasonal cycle. All such primary data is presented as **Annex I**, and it is recommended that further effort be made beyond the current draft of this report in order to provide comparison, confirmation and triangulation of the estimates provided here.

Unlike the countries and markets studied by my colleagues (Ivory Coast, Guinea, Guinea Bissau, Liberia, Sierra Leone, Guinea Senegal and Mauritania), the countries covered under this report are *terra cognita*, having been studied for years with collection of sequential market data under the ATP and E-ATP projects. As such, narrative description will be provided here as a means of providing context for interpretation of the market data presented, and not to ‘describe’ the 60+ markets studied in any level of general descriptive detail.

I.1 Data Collection and Major Flows

Data was collected during a 25-day mission covering over 50 individual markets along a 9,000 km itinerary (see below).



Figure I: Markets and Data Points (Illustrative)

Semi-structured interviews based on a full questionnaire were conducted according to a standard focus group approach. In all, over 500 respondents in 62 markets (see contacts list by market) provided their estimations of trade volumes and price patterns for over 30 food commodities in regional trade across West Africa. Analysis of primary data yielded 238 annual estimates of product flow and price range for 26 traded commodities see Annex 1).

Table 1: Markets and Data Points by Country (n=2)

Ghana	Burkina Faso	Benin
Kumasi - Kejietia	Pô - Cereals	Parakou - Chambre d'Agriculture
Kumasi - Livestock	Ouagadougou (Adja Velegda)	Parakou - Arzeke (Cereals)
Techiman - Cereals	Ouagadougou - Livestock	Parakou - Livestock 1 (Gema)
Bolgatanga	Ouagadougou (CICB)	Parakou - Livestock 2 (Turu)
Wa - Livestock	Léo - Cereals	Malanville - Phytosanitary
Wa - Cereals	Léo - Livestock	Malanville - Cereals
Bole - Cereals	Bama - Cereals	Malanville - Onion
Kumasi - Asoase (Cereals)	Niangoloko - Cereals	Ségbana - Cereals
Ejura - Cereals	Banfora - Cereals	Ségbana - Livestock
Tamale - Cereals (Ababu)	Orodara - Cereals	Gogounou - Livestock
Tamale - Shishao (Livestock)	Orodara - Livestock	Petit Paris (Sorri) - Livestock
Dormea-Ahenkro - Eggs	Bobo Dioulasso - Cereals	Gogounou - Cereals
Ivory Coast	Bobo Dioulasso - Livestock (Train)	Nikki - Cereals
Doropo - Cereals	Gaoua - Cereals	Nikki- Livestock
Bouna - Cereals	Hamale - Livestock	Savé - Cereals and Livestock
Bondoukou	Fada N'Gourma - Livestock	Glazoué - Cereals
Togo	Bittou - Cereals	Bohicon - Cereals
Kéao - Cereals	Pouytenga - Livestock	Cotonou - Cereals
Lama Kara - Cereals	Fada N'Gourma - Cereals	Cotonou - Onion
Anié - Cereals	Nadiagou - Cereals	Djouguou - Cereals
Atakpamé	Kantchari - Cereals and Onion	Ouaké - Cereals
Lome - Cereals	Batié - Livestock Market	
Lome - Onion	Kampti - Livestock Market	

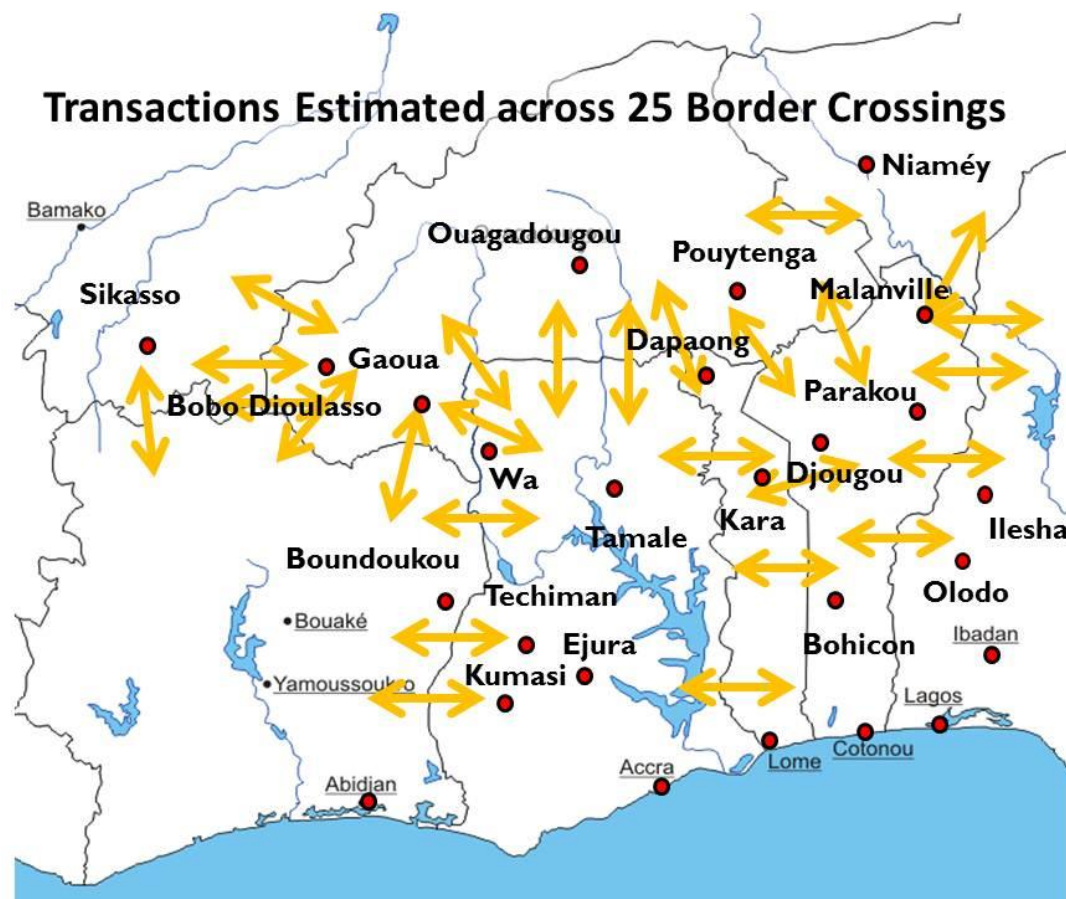


Figure 2: Border Crossings and Regional Markets of Relevance to this Study

1.2 Methodology

Though a formal questionnaire was developed as an interview guide, it was not readily apparent at outset how the data would be collected, since the questionnaire was not printed. In the event, interviews focused primarily on flows of specific products, by quantity and price, between countries (and between specific markets, where possible).

After an introduction of respondents and researchers and a brief description of the ATP/E-ATP projects, respondents were asked to list food commodities traded in their market in order of importance, and to rank markets of significance in general terms.

Following this discussion, the products identified are gone through in detail, ideally to include Seasonality (time of harvest, post-harvest processing, and marketing) and pricing, including the lowest price (following the harvest) and during periods of seasonal scarcity.

Quantities in trade across national boundaries was estimated by respondents, usually were assessed in terms of 100 kg bags, or by the capacity of trucks per week (35 or 15 MT in most cases), and sometimes in MT per market day (usually weekly). Based on the notes for each market, a set of assumptions was developed in order to extrapolate estimated product flow by quantity and price in metric tons (MT) and US Dollars for comparison across currencies.

1.3 Results

The data collected varies in its consistency and completeness, based on a diversity of measures and frameworks of reference, and as such the flow and price estimates must be confirmed and triangulated - but the data provide a compelling framework of reference for further confirmation and monitoring over time, not least in a contact list of over 500 regional traders in cereals, pulses and livestock, with telephone contacts for each.

At best, the interviews yielded very detailed estimates of annual flow by commodity between regional markets, based on seasonal characteristics; the example of Bittou (Burkina Faso, bordering Ghana and Togo) is illustrative, and the format may be used for future data collection:

Bittou (BF): Maize from Togo (Dapaong) and Ghana (Bawku) - in 100 kg bags			
Sep-Oct	65 MT/mo from Ghana (Bawku)	FCFA/100 kg:	(local price)
(Peak)	35 MT/mo from Togo (Dapaong)	18,000	\$360/MT
Average	15 MT/mo from Ghana (Bawku)	FCFA/100 kg:	(local price)
Nov-Jan	25 MT/mo from Togo (Dapaong)	20,000	
Feb-Aug	23 MT/mo from Ghana (Bawku)	FCFA/100 kg:	(local price)
(Minimum)	12 MT/mo from Togo (Dapaong)	22,000	\$440/MT

Table 2: Illustrative Example, Basic Product Price and Supply Matrix

Bittou (BF): Maize from Togo (Dapaong) and Ghana (Bawku) - in 100 kg bags			
	from Ghana (MT)	from Togo (MT)	total MT
January	15	25	40
February	23	12	35
March	23	12	35
April	23	12	35
May	23	12	35
June	23	12	35
July	23	12	35
August	23	12	35
September	65	35	100
October	65	35	100
November	15	25	40
December	15	25	40
	336	229	565

Table 3: Illustrative Example, Seasonality of Product Flow

The capability and comprehension of respondents varied widely; at best they gave very direct and thoughtful estimates of MT per annum, while a variety of lesser measures often gave insight into the seasonality of price and supply.

Pricing was assessed in terms of price per season, beginning with the annual maximum and minimum prices. Prices of cereals and pulses were rarely expressed in kilograms, and more often in terms of basins, bowls (*canaris* or *plats yoruba*) and tomato cans (*boites de tomate*) which may fill a woven polypropylene bag (*sac*) to 100 kg – or in some cases to 85 kg, 90 kg (standard weight in Ghana), 115, 120 and even 150 kg.

Assessment of quantities was typically expressed in bags per market day (usually but not always weekly) and in terms of number trucks per week arriving or departing the relevant market in trade across national borders, which requires conversion to metric tons (MT) by division according to bag weight or the minimum capacity of a loaded truck.

Road transport is comprised of '40-ton' trucks (*remorque* in Burkina Faso, *titan* in Benin and Togo), which carry between 35 and 45 MT, and '10-ton' trucks (*dix tons*), which typically carry 15 MT, often of mixed cargo, and can be 'reinforced' to carry 20 MT, as is the case for Nigerian trucks based in Kebbi State, running between Malanville and nearby markets of northern Nigeria.

1.4 Limitations of the Study

Given the conditions of data collection mentioned above, time was extremely limited, and all interviews were conducted with one eye on the clock in order to avoid driving after dark as per ATP/E-ATP guidelines and as per common sense as regards personal security. As such, the data collected is incomplete and in some cases contradictory, and will require further follow-up for confirmation, triangulation and reconciliation.

Given lack of prior information regarding market days (mostly weekly), there is need for further field visits to some markets - e.g. Hamale and Bole, Ghana and those of the Niangolko/Banfora/Orodara/Bama area of Burkina bordering Mali and Ivory Coast, which all have market days on Sunday (we could only visit Bama on the available Sunday given the need to reach Leo on its Saturday market day). Some market points were not included in the original itinerary and certainly merit further investigation - most notably Yendi (Ghana) which is said to be a cattle corridor, and Senkassé (Burkina) to Dapaong (Togo), a major cereals corridor. Rapid assessments of these markets could be done expeditiously to generate substantial further data in complement to and continuation of the current study.

Caveat Lector

The data collected, and the resulting analysis herein should be seen in illustrative terms as considered professional estimates, rather than as trade figures of any objective or statistical validity. As a very basic example, a primary and recurrent challenge was to explain to informants that we were seeking estimates of market-level transactions (*niveau globale*) and not personal or business-specific quantity estimates. Many possible sources of error are implicit in the methodology, particularly in a range of systems of product measurement for pricing, and in units expressing quantities of product in transport between markets. Such misunderstandings include confusion between units of measure – MT or bags of 100 kg or some other measure, volume per day, week or month, seasonality of trade (all year round, or only a 3 or 6 month window?) and the capacity of a truck – noting that in Togo and Benin, trucks of '*dix tons*' – typically carry 15 MT, while the '*titan*' (which sounds nearly identical to '*dix tons*' in an interview carries 40 MT – and truck-loads are commonly mixed. Even the direction of flow (to/from) may be reversed.

These limitations in mind, taken together the interviews yielded a considerable depth of data describing current regional corridors of trade in cattle, cereals (maize, sorghum, livestock), pulses (cowpea, soya, groundnut and Bambara groundnut) and semi-processed foods - most notably *gari* (fermented cassava flour), including an initial 238 individual annual estimates of product flow and price range for 26 traded commodities see Annex I).

1.5 Countries of Interest

The survey considered the range of food commodities traded between the countries of Ghana, Burkina Faso, Ivory Coast, Mali, Togo, Benin, Niger and Nigeria, comprising a transect between x degrees south to x degrees north, by x degrees west to x degrees east. The study area falls along both sides of the Inter-Tropical Convergence Zone (ITCZ), including a range of precipitation regimes permitting both unimodal and bimodal agriculture and agro-pastoral production systems. Annual seasonality between countries is in some cases complementary, resulting in the same product flowing in different directions over the same border on at different times of the year on a seasonal basis (viz maize and sorghum between Ivory Coast, Mali, Burkina Faso and Ghana).

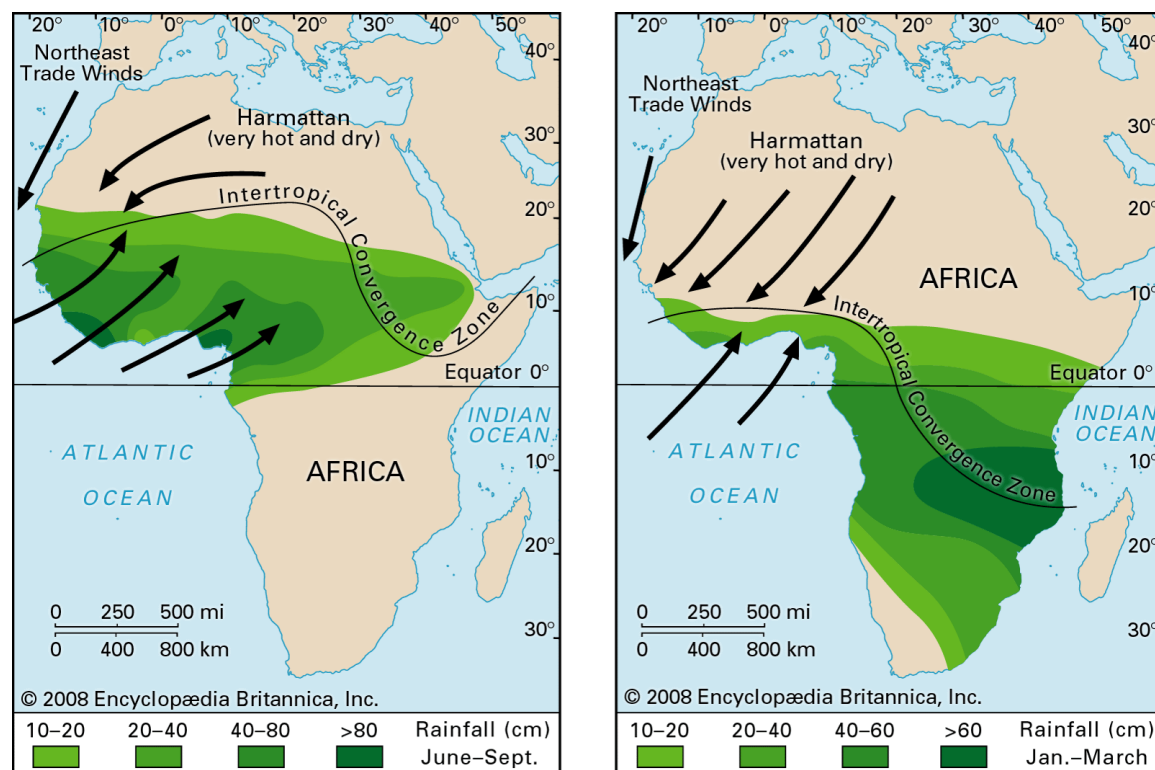


Figure 3: The Inter-Tropical Convergence Zone and Seasonal Precipitation Patterns

Country Profiles

Ghana exports and imports maize, particularly from Burkina Faso and Togo, importing large quantities of cowpea and substantial quantities of onion from Niger (and secondarily from Burkina Faso) in return for maize, wood and manufactured goods; limited amounts of maize and rice are imported into northern Ghana from Ivory Coast; considerable quantities of fresh yam and fermented cassava flour are exported from Ghana to Burkina Faso and Niger. Ghana imports significant numbers of livestock (cattle and small ruminants, particularly goats) from Burkina Faso and Mali.

Burkina Faso is a producer of maize, cowpea and livestock (both cattle and small ruminants, i.e. sheep and goats), as well as a transit country through which livestock, cereals and other products pass from Mali and Senegal; cereals and pulses (sorghum, cowpea and groundnut) also enter from Niger along less monitored borders such as those between Niamey and the northern town of Dori (which it was not

possible to visit during this study due to a US Embassy security alert); maize also passes this way from Burkina Faso to Niger.

Benin is a major producer of maize, rice and cassava, mainly marketed as *gari* as, with the largest volume of exports crossing to Niger and Nigeria from major markets hubs Malanville (to Niger) and Parakou (to Nigeria); substantial east-west trade in cereals, cassava, rice, *gari*, cola and horticultural products (chilis, garlic and ginger) between Benin, Nigeria, Togo and Ghana. Large numbers of livestock transit Benin daily, from Burkina Faso and Mali to the Ilesha and Olodo cattle markets along the Nigeria border, supplying Lagos, Ibadan and other major cities.

Togo produces substantial quantities of maize and cassava, serving as a favored corridor from Niger to the port cities of Cotonou, Lomé and Tema given the relative ease of movement. There is substantial east-west trade in cereals, *gari*, cola and horticultural products (chilis, garlic and ginger) between Togo and Ghana, and with Benin to Nigeria. Given the notorious chaos and dysfunction of the Aflao border crossing, trade between inland Benin, Togo and Ghana passes through Kpalimé and the Eastern Region of Ghana to Accra.

Mali and Ivory Coast were also studied in part, from the Burkina Faso side. Trade in the Bagera region between the three countries passes along secondary or even smaller routes between Niangkorodougou (Burkina), Kadiolo/Sikasso (Mali) and Pogo (Ivory Coast) - maize from Ivory Coast to Burkina, and on to Mali; millet from Burkina to Mali and Ivory Coast; groundnut from Mali and Burkina to Ivory Coast. Large volumes of cashew and shea kernel are exported from both Mali and northern Ivory Coast through Burkina Faso, making Ouagadougou a major transit market for these commodities. Significant numbers of livestock (including cattle and small ruminants – sheep in particular) cross from Mali into Burkina Faso, and along with livestock from Burkina Faso, continue on to Abidjan, Kumasi, Accra and Nigeria via Benin.

Mali

It is suspected that a considerable proportion of the cattle in trade between Burkina Faso and Ghana, and Burkina Faso and Nigeria, originates in Mali given the proximity of stated origins with border regions of Mali.

Ivory Coast

There is substantial export of maize from northern Ivory Coast to Burkina Faso and on to Niger, including white maize from Sinfra and red maize from Bouake. Sorghum and millet flow south from Burkina to Bouake and Daloa, and possibly on to Liberia. Large numbers of cattle and small ruminants pass by the daily train and by road from Burkina Faso to Abidjan, with smoked fish, plastics and manufactured goods (as well as maize) moving north.

Niger

Niger imports huge volumes of maize, some of which may be destined for the markets of northern Nigeria, while some is apparently kept in stock ostensibly as a national (if 'semi-private') food reserve. Though the Nigerian authorities are seen as obstructionist regarding food exports (and sometimes imports), huge volumes of cowpea are exported south and west, to Nigeria, Burkina Faso, Ghana and as far as Ivory Coast.

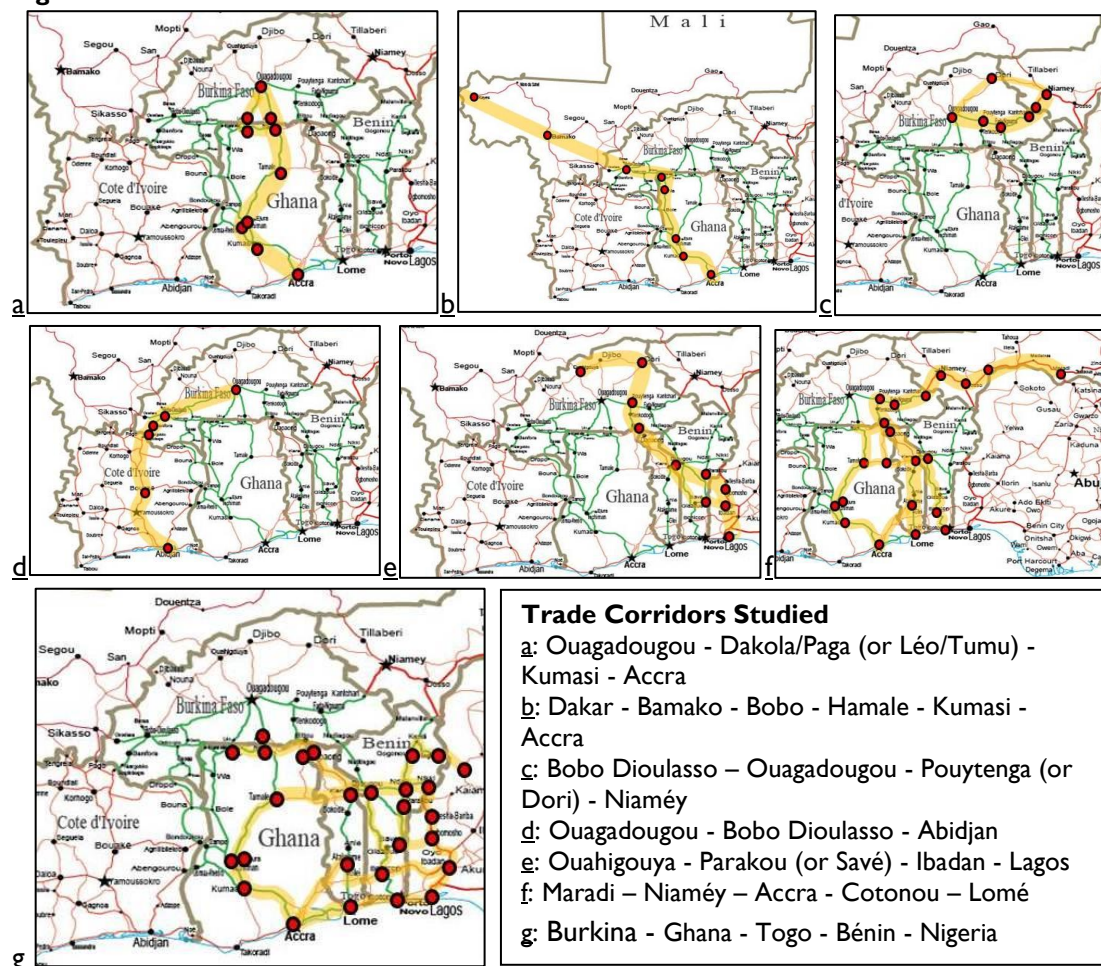
Nigeria

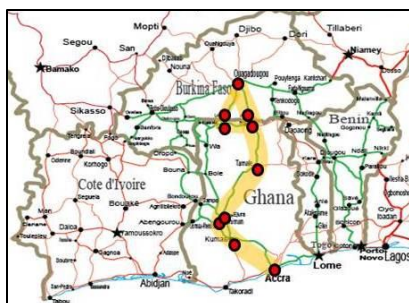
In reductionist terms, Nigeria provides the end consumer market for huge volumes of trade. While much of this passes through small market towns along the long Béninois border, most visible is the livestock which passes down from Mali and Burkina Faso by road through Benin to Parakou or Savé, where the animals are off-loaded and herded across the border to the huge border markets of Ilesha and Ilodo, where they are loaded again for Ibadan, Lagos and the cities of the Niger Delta. Large volumes of all cereals and pulses flow east into Nigeria, with cola and horticultural products (chilis, garlic and ginger) flowing west to Benin, Togo and Ghana.

Although the long and busy border between Niger and Nigeria lay outside the scope of this study due to security-related travel restrictions, the significance of trade flow in food commodities from Niger to Nigeria is well studied and documented in published literature. Cowpea exports from Niger to Nigeria are particularly notable – while trade in millet and sorghum trade flows in both directions.

1.6 Corridors Studied by Major Products and Markets Surveyed

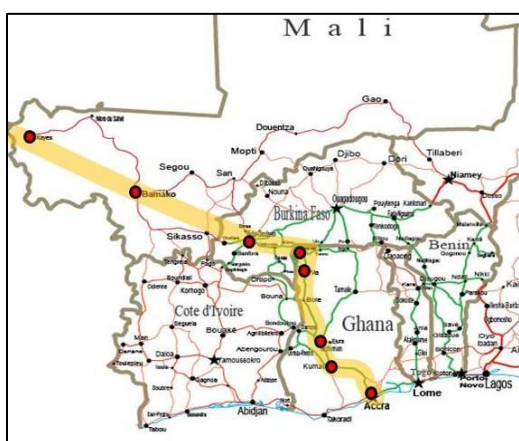
Figure 4: Trade Corridors Studied





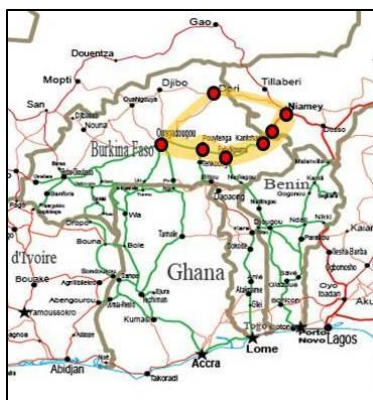
Ouagadougou - Dakola/Paga (or Léo/Tumu) – Kumasi - Accra

Livestock, Cereals and Pulses (cattle, goats, sorghum and cowpea flow south); maize, timber and manufactured and imported goods flow north. Markets studied along this corridor included Kumasi (Kejietia Market and the cattle market at the Kumasi abattoir), Techiman maize and cereal markets, Tamale, Bolgatanga, Pô, Léo and Ouagadougou (livestock market, Adja Velegda and the CICB).



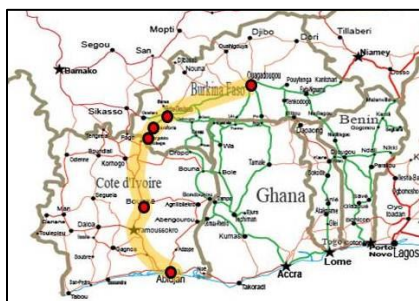
Dakar - Bamako - Bobo - Hamale - Kumasi – Accra

This corridor was identified as the primary route for long-distance transport between Mali and Ghana, with innumerable petroleum tankers and considerable livestock traffic moving south, with back-hauling of cereals from Kumasi, Techiman and Ejura, manufactured goods from Accra, and imported cargo from the port of Tema. Manufactured goods from Senegal were observed in the regional market hub of Bobo Dioulasso, as were Senegalese trucks in the cereal and livestock markets. Though the assessment could not include Mali due to travel restrictions, the Burkinabe border towns of Bama and Orodara were included, with unmonitored trade routes identified from Mali to Banfora via Ivory Coast, all feeding the Bobo Dioulasso regional market hub. Trade between Burkina Faso and Ivory Coast was assessed at Niangoloko, Gaoua, Kampti, Doropo and Bouna; between Ivory Coast and Ghana at Bouna, Bondoukou, Bole and Dormea-Ahenkro; between Burkina Faso and Ghana at Hamale, Wa, and Kumasi.



Bobo Dioulasso – Ouagadougou - Pouytenga (or Dori) - Niamey Cereals

and Pulses are traded between Bobo Dioulasso and Niamey via Kantchari, and sometimes via Ouagadougou, Pouytenga, Fada N’Gourma or Dori. In general, maize flows east, while cowpea and groundnut flow west. Markets assessed along this corridor included Bobo Dioulasso, Ouagadougou, Pouytenga, Fada N’Gourma and Kantchari.



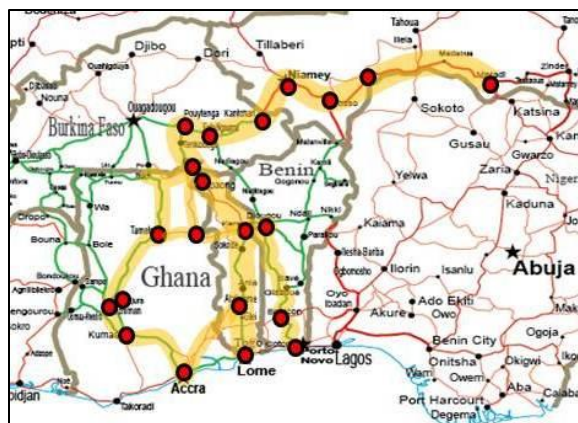
Ouagadougou - Bobo Dioulasso - Abidjan

Livestock (cattle and small ruminants) flow south; manufactured and imported goods flow north. Markets assessed along this corridor included Ouagadougou, Bobo Dioulasso, Batié, Kampti, Doropo, Bouna and Bondoukou.



Ouahigouya - Parakou (or Savé) - Ibadan - Lagos

Livestock (cattle and small ruminants) flow south; manufactured and imported goods flow north. Markets assessed along this corridor included Fada N’Gourma, Pouytenga, Parakou, Gougou and Savé.



Maradi – Niaméy – Accra - Cotonou - Lomé Pulses

(cowpea, groundnut) and horticultural products (onions and tomatoes) flow south; manufactured and imported goods flow north. Markets assessed along this corridor included Malanville, Parakou, Fada N'Gourma, Nadiagou, Bittou and Ejura.



Burkina Faso - Ghana - Togo - Bénin - Nigeria

Though too broad in geographic scope to be considered a true 'corridor,' trade along the littoral describes an eastern-moving commerce to supply the huge consumer base of Nigeria with staple foods (including large quantities of imported rice)¹; though not 'end markets' *per se*, the network of markets large and small along the Benin and Nigeria borders provides insight as to regional supply of Nigerian markets from the western and central basins of west Africa, with lesser quantities of specialized foods (spices such as garlic, ginger and chilis) moving West from Nigerian origins. Markets studied along this broad 'corridor' included Ségbana, Gogounou, 'Petit Paris' (Sorri), Nikki, Savé, Glazoué, Bohicon, Cotonou, Djougou, Ouaké, Kétau, Lama, Anié, Atakpamé and Lomé.

¹ Much of the rice trade to Nigeria is also landed in Cotonou, moves north through Malanville and enters Nigeria from points in southwestern Niger.

2.0 Findings

Given the scope of the study described above, the data collected here is intended to provide an illustrative comparison to the trade figures collected by market information systems (MIS) monitors including the ATP/E-ATP trade flow data collectors. As the data refers specifically to cross-border trade, the results of the study are organized according to corridor and product.

Whereas maize comprises by far the greatest volume of trade of all products studied, trade patterns of this low-margin, high-volume commodity are complex, and the total market value difficult to quantify. According to seasonality of production, and the current exchange rates between the Ghana Cedi, the Nigeria Naira and the CFA Franc, a given lot of maize may be traded several times across the same border, with wet Ghanaian (or Nigerian) maize being traded northward into Burkina or Niger, and later traded south again as dried maize.

In terms of value, however, regional trade in cowpea is more significant in terms of both value and volume than any other food commodity, serving institutional consumers as well as the general population, thus ensuring a constant and steady demand in the littoral countries, and in Ghana and Nigeria in particular. Within the study area, the cowpea value chain is generally governed by women traders in Niger and Ghana, and according to secondary data, by women farmers in the Maradi and Dosso regions of Niger. The agronomic value of this nitrogen-fixing (leguminous) crop to the marginal agricultural landscapes of southern Niger and northern Nigeria should be noted.

Products of relevance to the ATP and E-ATP projects include those for which the greatest detail of data was collected, including livestock (over 380,000 head of traded annually across the borders studied valued at US\$220 million), maize (356,000 MT traded annually, valued at US\$120 million), millet (57,000 MT valued at \$28 million) and sorghum (51,800 MT valued at \$20 million). Considerably less data was obtained for rice and for onions, though the figures obtained are seen as largely illustrative of these value chains (US\$ 8.6 million in estimated annual trade passes through Malanville from the onion production zones of Niger, Galmi and Agadez).

Notably, trade in cowpea was found to be omnipresent, with over 77,000 MT traded annually across the borders studied each year, valued at over \$60 million – substantially higher in total value than millet and sorghum combined, and roughly half the value of traded maize (at less than 22% the volume of the maize value chain across the regional borders studied here).

Table 4: Value Chains by Annual Volume and Value

	product (unit):	quantity per annum:	valued at:	ave. price:
1	Cattle	389,791 head	\$ 219.55 m	\$ 563
2	Maize	356,029 MT	\$ 119.90 m	\$ 337
3	Cowpea	77,511 MT	\$ 60.22 m	\$ 777
4	Millet	57,040 MT	\$ 28.33 m	\$ 497
5	Sorghum	51,824 MT	\$ 20.01 m	\$ 386

Other pulses in trade displayed consistently high value and high seasonal variability, indicating relatively high margins. These products include including soya – characterized by high volumes for industrial processing in Ghana, Togo and Benin), Bambara groundnut (a highly nutritious indigenous pulse, valued above all others on local markets studied), groundnut, and pigeon pea (*Cajanus cajan*), called *haricot* in central Benin and Togo - as is cowpea.

Though not specifically targeted for market surveillance under the ATP/E-ATP projects, a trade corridor of major significance was noted between Dakar and Accra, via Bobo Dioulasso and Techiman. Large volumes of cereals, pulses and livestock are traded along this corridor, passing through the Hamale border and supplying the bustling and ancient market city of Kumasi. Malian transporters (including livestock and fuel tankers) were evident along the road, and a Ghanaian driver was interviewed at the roadside near the Wa cattle market who drives yam and *gari* from Accra to Banjul along the corridor, returning with smoked fish – in a Guinea-registered truck.

Systemic Factors Affecting Trade

Systemic issues affecting trade within the study area include :

- Existence of semi-official export bans, often communicated verbally or by telephone, in contravention of inter-governmental agreements between the ECOWAS states;
- Official or semi-official interdiction of non-national traders and vehicles from crossing certain borders, most notably in the case of Ivory Coast which restricts access of Ghanaian traders and Ghana-registered vehicles from entry at border crossings with Brong Ahafo Region;
- Security of passage in many areas, most notably border regions between Burkina Faso and Ghana, Benin and Niger, and between Benin and Nigeria;
- Access to currency exchange facilities; and
- Access to (or functionality of) systems of market credit including the capital required to consolidate aggregated shipments of a minimum 35 MT for cross-border transport.

2.1 Descriptive Results by Value Chain: ATP/E-ATP Commodities

2.1.1 Livestock

Cattle

Though cattle are raised across the focus area in all countries, their origin in regional trade may be traced back to the northern half of Burkina Faso (notably the areas of from Ouahigouya, Djibo, Bosse, Tome, with consolidation at major cattle markets of Dori, Bobo Dioulasso, Ouagadougou and Pouytenga. Though northern Burkina Faso was not covered under the rapid assessment due to security concerns as expressed in recent warnings by the US Embassy, and the country of Mali was similarly excluded, given the geographic proximity of these identified origins to herding areas of Mali, it is assumed that there is considerable cross-border cattle trade originating in Mali.

Regionally, large numbers of cattle are destined for the cattle markets of Nigeria, being walked across the Benin border – principally Ilesha (off-loaded at Parakou) and Olodo (off-loaded at Savé). Many of these animals will be transported on from Ilesha or Olodo markets by truck to Ibadan, Lagos and other cities of the Nigerian south and southeast; a total of 152,718 head per annum were reported in trade between Benin and Nigeria, with 74,625 head per annum crossing on the hoof from Parakou to Ilesha, 33,625 crossing on the hoof from Save to Olodo and 44,468 passing across the border by other means.

Partial data indicates that Ghana provides the second major regional market, and Ivory Coast the third (with a reported 111,600 head passing from Ouagadougou and Bobo Dioulasso to Abidjan annually by train, and an additional 24,000 annually from Bobo Dioulasso to Abidjan by truck).

Small Ruminants: Sheep and Goats

Due to the timing of the field mission, which coincided with the holiday of *Idd al Fitr* (Tabaski), it was difficult to assess yearly and non-peak trade flows (quantity at price) for small ruminants, as the trucking routes, train cars and local markets were all dense with sheep moving south and to all urban centers.

Guinea Fowl

Guinea fowl of northern Ghana origin are exported north to Burkina Faso (Ouagadougou) from Bolgatanga, and are transported to Kumasi and Accra from Tamale.

Animal Products

Dried fish, salt fish and smoked fish are omnipresent on local and urban markets. Large chunks of smoked tuna were observed at Kejietia Market in Kumasi. A Ghanaian trader interviewed at Wa (northern Ghana) carries smoked fish from Gambia to Accra via Bamako, Bobo Dioulasso and Wa, as a back-haul to fresh yam and *gari* flour from Accra.

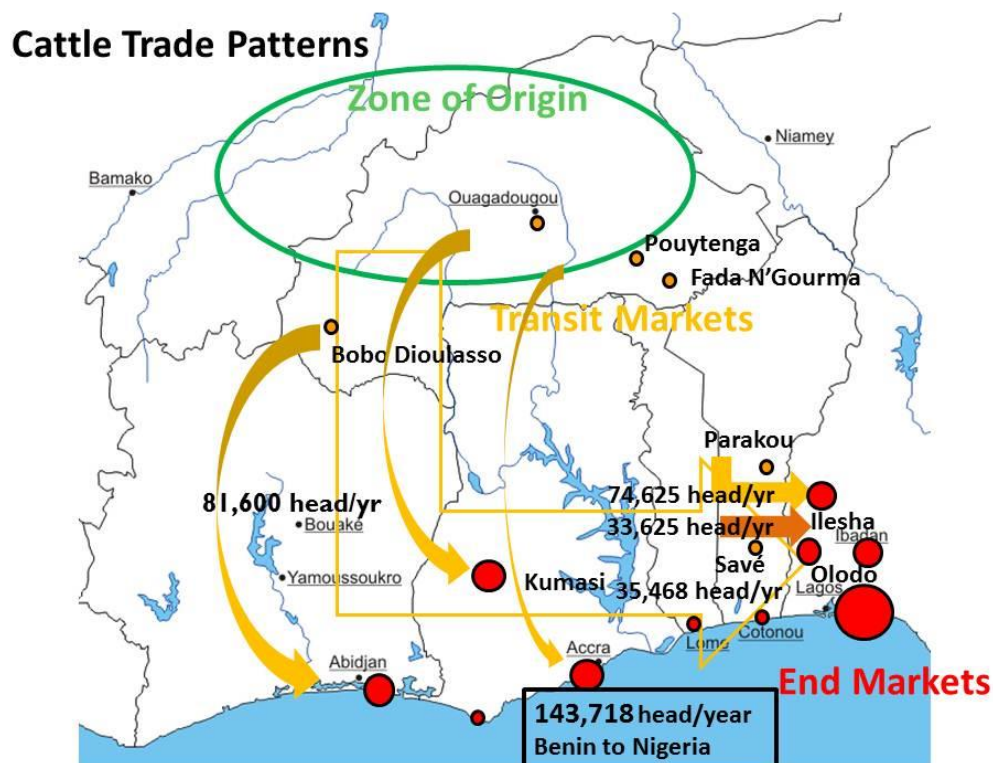


Figure 5: Cattle Trade Patterns and Estimated Flows by Corridor

Cattle by Corridor

Ouahigouya - Parakou (or Save) - Ibadan / Lagos: 152,718 cattle move south and east annually, via Ouagadougou, Pouytenga and Fada N'Gourma markets through to Djougou and Parakou, where 74,625 are off-loaded to traverse the Nigerian border on the hoof to the market of Ilesha, and loaded for further transport to Ibadan, Lagos and the Nigerian Delta regions; considerable numbers (33,625 annually) are off-loaded at Savé to traverse the Nigerian border on the hoof to the market of Olodo (where they are loaded for the same end destination markets), and lesser quantities adding up to significant numbers cross between smaller border points (35,468 passing across the border by other means each year).

Dakar - Bamako - Bobo Dioulasso - Ouagadougou: cattle moves in both directions (livestock for rearing from Burkina to southern Mali, and Malian cattle to Bobo Dioulasso).

Ouagadougou - Bobo Dioulasso – Abidjan: large numbers of cattle move south by road, to Abidjan by train, on hoof from Burkina Faso to Ghana - with some annual back and forth along border areas

Ouagadougou - Dakola/Paga - Accra: large numbers of cattle flow south; while prices are difficult to compare given the variation in size between individual animals, price ranges

Table 5. Cattle by Country: Overview of Major Flows (per annum estimates)

Burkina Faso to Nigeria	US\$ 74.35 m
Burkina Faso to Ivory Coast	US\$ 59.4 m
Benin to Nigeria	US\$ 51.3 m

Table 6: Cattle Transactions by Countries of Origin and Destination, Annual Product Flow and Price

Cattle by Country: Transactions by Countries of Origin and Destination, Annual Product Flow and Price Range					
	Origin	Destination(s)	Quantity Flow (head per annum)	Total Value (USD)	ave. price (USD/head)
Burkina Faso to Nigeria					
Fada N'Gourma	from Burkina	to Nigeria via Parakou/Ilesha and Savé/Olodo to Lagos	51,840		
Parakou - Turu	from BF (Pouytenga, Ouahigouya, Ouaga, Dori, Bobo)	to Nigeria (Ilesha - on hoof)	47,000	\$ 28,200,000	600
Bobo Dioulasso	from Burkina	to Nigeria (Ilesha via Parakou)	24,000		
Djouougou	from Burkina Faso	to Nigeria (Ilesha and Olodo)	11,250		
Pouytenga	from Burkina	to Nigeria (Ilesha via Parakou)	5,564		
Fada N'Gourma	[detailed origins listed in notes]	70% via Parakou (for Ilesha)	4,760		
Orodara	from Burkina	to Nigeria (Ilesha via Parakou)	2,250	\$ 900,000	400
Fada N'Gourma	[origins listed]	30% to Savé (for Olodo / Saki)	2,040		
		Burkina Faso to Nigeria Subtotal:	148,704	\$ 74,352,000	500
Burkina Faso to Ivory Coast					
Bobo Dioulasso	from Burkina	to CI (Abidjan by train)	57,600		
Bobo Dioulasso	from Burkina	to CI (Abidjan by truck)	24,000		
Ouagadougou	from Ouahigouya, Djibo, Kaya	to Abidjan by train	27,000	\$ 14,850,000	550
Orodara	from Burkina	to CI (Abidjan by train)	4,000	\$ 1,600,000	400
Léo	from Ouahigouya, Djibo, Bosse, Tome	to CI	4,500	\$ 2,574,000	572
		Burkina Faso to Ivory Coast Subtotal:	117,100	\$ 59,408,733	507
Benin to Nigeria					
Parakou - Gema	from BF (Pouytenga, Ouahigouya, Ouaga, Dori, Bobo)	to Nigeria (Ilesha - on hoof)	22,000	\$ 13,200,000	600
Parakou - Gema	from BF (Pouytenga, Ouahigouya, Ouaga, Dori, Bobo)	to Nigeria (Olodo) via Savé	16,000	\$ 9,600,000	600
Parakou - Turu	from BF (Pouytenga, Ouahigouya, Ouaga, Dori, Bobo)	to Nigeria (Olodo) via Savé	12,000	\$ 7,200,000	600
Ségbana	from Benin	to Nigeria (Samia and Bakirwa)	12,000		
Glazoué	from Benin	to Nigeria	10,000		
Sorri (Petit Paris)	from Benin	to Nigeria	7,992		
Gogounou	from Benin	to Nigeria	5,476		
		Benin to Nigeria Subtotal:	85,468	\$ 51,280,800	600
Burkina Faso to Ghana					
Hamale	[detailed origins listed in notes]	to Ghana (Wa to Accra and Takoradi)	6,000		
Kumasi	Bobo Dioulasso (45%)	Ghana (fresh meat markets 90%)	5,990	\$ 3,941,683	658
Kumasi	Fada N'Gourma (20%)	Ghana (fresh meat markets 90%)	2,662	\$ 1,751,859	658
Kumasi	Ouagadougou (10%)	Ghana (fresh meat markets 90%)	1,331	\$ 875,930	658
Kumasi	Pouytenga (10%)	Ghana (fresh meat markets 90%)	1,331	\$ 875,930	658
Kumasi	Leo (10%)	Ghana (fresh meat markets 90%)	1,331	\$ 875,930	658
Kumasi	Senkassé via Dapaong/Bawku (5%)	Ghana (fresh meat markets 90%)	666	\$ 437,965	658
Ouagadougou	from Ouahigouya, Djibo, Kaya	to Ghana via Hamale and Paga			
Léo	from Ouahigouya, Djibo, Bosse, Tome	to Ghana	8,000	\$ 4,576,000	572
		Burkina Faso to Ghana Subtotal:	27,312	\$ 17,635,749	646
Burkina Faso to Benin					
Pouytenga	from Burkina Faso	to Benin (Cotonou)	1,457		
Djouougou	from Burkina Faso	to Cotonou	9,000		
		Burkina Faso to Benin Subtotal:	10,457		
Burkina Faso to Mali					
Orodara		to Mali (Sikasso)	750	\$ 300,000	400

(per annum estimates)

2.1.2 Cereals

Maize

With an initial 40 transactions recorded on 27 markets for over 330,000 MT of annual trade, the maize value chain is omnipresent and high-volume commodity in regional commerce. Due to seasonal variations of the Inter-Tropical Convergence Zone across West Africa, maize flows across the same borders in different directions over the year, though in different volumes; notable examples include Ivory Coast to Burkina Faso, Burkina Faso to Ghana, and Benin, Togo and Nigeria. Maize types traded in West Africa include white maize (favored by consumers in Burkina Faso and Benin), yellow maize (favored by consumers in Ghana, and used as a base for poultry feeds), and red maize (grown in the Bouaké area of Ivory Coast, and seen at the Arzeke cereals market at Parakou, northern Benin).

Though maize comprises by far the greatest volume of trade of all products studied, trade patterns of this low-margin, high-volume commodity are complex, and the total market value difficult to quantify. According to seasonality of production, and the current exchange rates between the Ghana Cedi, the Nigeria Naira and the CFA Franc, a given lot of maize may be traded several times across the same border, with wet Ghanaian (or Nigerian) maize being traded northward into Burkina or Niger, and later traded south again as dried maize.

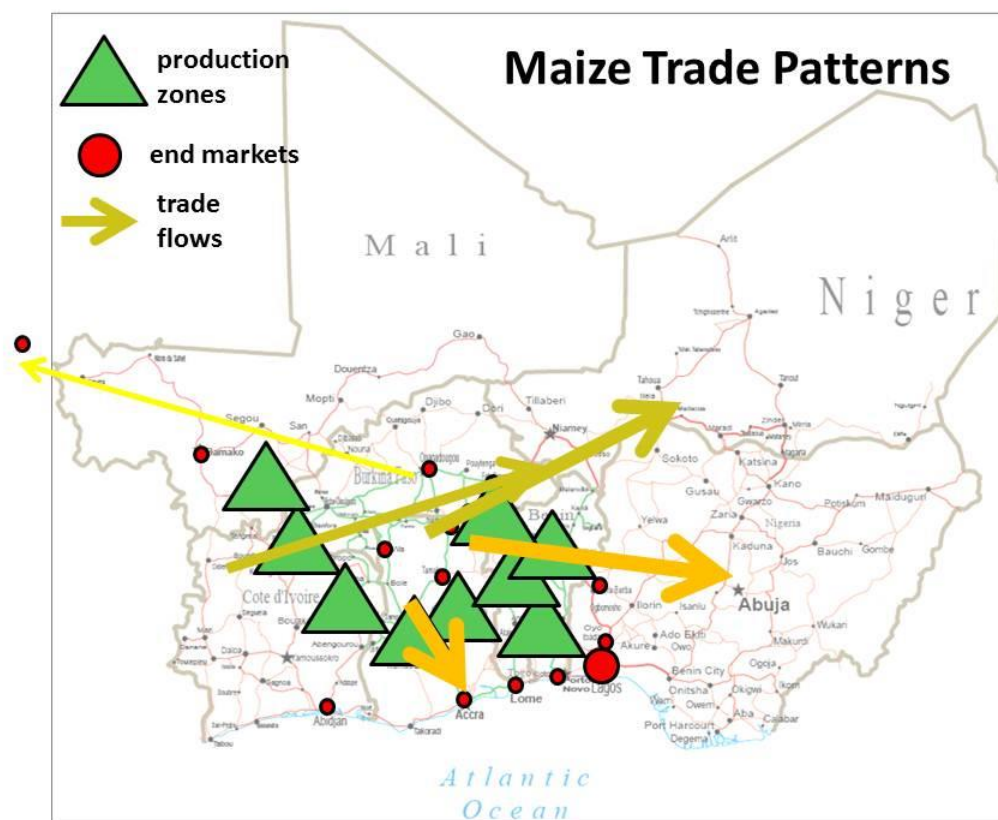


Figure 6: Maize Trade Patterns (General Flow)

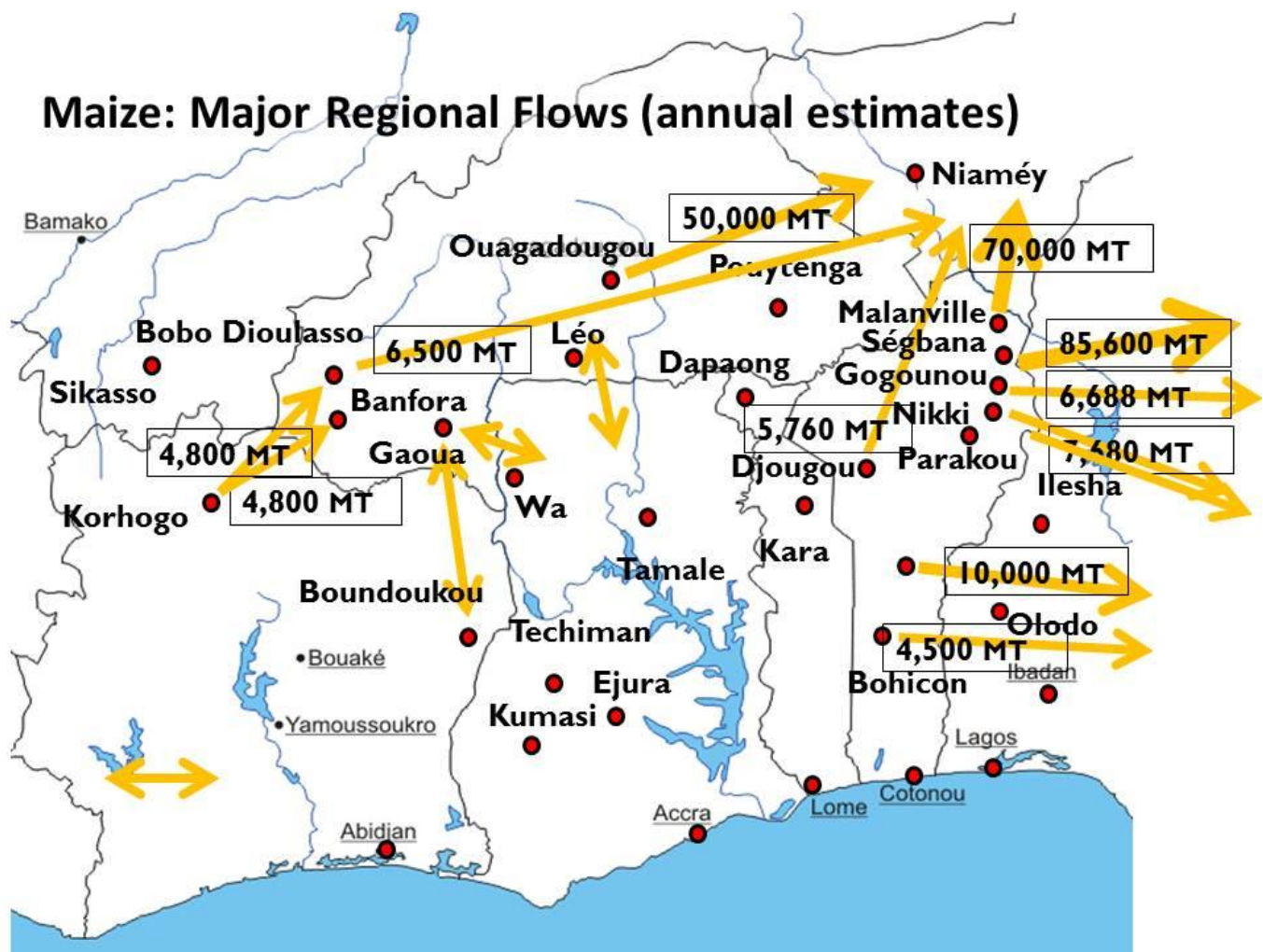


Figure 7: Major Flows of Maize by Origin and Destination

Maize by Corridor

Ouagadougou and Accra via Dakola/Paga: large volumes of maize flow north [MT/yr]

Ouagadougou and Dakar via Bobo Dioulasso and Bamako: maize moves in both directions; initially from Mali to Burkina Faso and Ivory Coast, and later in much larger volumes from Ghana, Ivory Coast and Burkina Faso to Mali and Senegal.

Bobo Dioulasso and Niamey via Ouaga and Pouytenga or Dori: large volumes of maize flow north and east to Niger – estimated here between 40,700 and 70,000 MT crosses from Benin to Niger per annum, while pulses (e.g. cowpea and groundnut) flow south in return. An estimated 50,000 MT of maize passes from Ouagadougou each year, with an additional minimum of 5,600 MT from Bobo Dioulasso (some of Malian and Ivorian origin).

Ouagadougou and Abidjan via Bobo Dioulasso: maize moves in both directions maize initially flows north from Abidjan, with some later trade of Ghanaian and Burkinabe maize to northern Ivory Coast Senegal [MT/yr]; Ivorian trucks also load Beninois maize at Malanville.

Ouahigouya and Ibadan / Lagos via Parakou or Save: maize flows north from Benin to Niger, along with maize from Ghana and Togo (via Dapaong). An estimated 85,600 MT of maize is said to cross from Ségbana to Nigeria each year, with an additional 10,000 MT from Glazoué to Nigeria.

Accra and Niamey / Maradi: maize flows north in great quantities from Techiman and Ejura via Malanville (see estimates above) while pulses (cowpea, groundnut) flow south.

Table 7: Maize by Country: Overview of Major Flows (Annual Estimates)

Benin to Niger	US\$ 46.7 m
Benin to Nigeria	US\$ 36.5 m
Burkina Faso to Niger	US\$ 19.75 m

Table 8: Maize Transactions by Countries of Origin and Destination, Annual Product Flow and Price

	Origin	Destination(s)	Quantity Flow (MT per annum)	Total Value (USD)	ave. price (USD/MT)
Benin to Niger					
Malanville	from Benin	to Niger	70,000	\$ 22,400,000	320
Malanville - Phyto.	from Benin	to Niger	40,700	\$ 13,024,000	320
Nikki	from Benin	to Niger via Malanville	7,680		
Gogounou	from Benin	to Niger via Malanville	6,688		
Djougou	local origin	to Niger via Malanville	5,760	\$ 1,843,200	320
Nadiagou	Yellow maize (for couscous) - from Benin	to Niger	2,400	\$ 864,000	360
Parakou	from Benin (Borgou region, Bori in particular)	to Niger via Malanville	2,000		
Glazoué	from Benin	to Niger via Malanville	1,500	\$ 562,500	375
Bohicon	from Benin	to Niger	1,320	\$ 448,800	340
Savé	from Benin	to Niger via Malanville	480	\$ 156,000	325
		Benin to Niger Subtotal:	138,528	\$ 46,703,726	337
Benin to Nigeria					
Ségbana	from Benin	to Nigeria (4 markets)	85,600	\$ 31,672,000	370
Glazoué	from Benin	to Nigeria	10,000	\$ 3,750,000	375
Bohicon	from Benin	to Nigeria	4,500	\$ 1,530,000	340
Nikki	from Benin	to Nigeria	840		
		Benin to Nigeria Subtotal:	100,940	\$ 36,506,633	362
Burkina Faso to Niger					
Ouagadougou - Adja Velegda	from Burkina	to Niger	50,000		
Bobo Dioulasso	from Bobo (Eti Hadj Tera)	BF (Bobo) to Niger	6,500		
Nadiagou	Yellow maize (for couscous) - from Burkina	to Niger	3,240	\$ 1,166,400	360
Fada N'Gourma	from Burkina	to Niger	1,500	\$ 427,500	285
		Burkina Faso to Niger Subtotal:	61,240	\$ 19,749,900	323
Ivory Coast to Burkina Faso					
Banfora	Ivory Coast	BF and ML	4,800	\$ 1,632,000	340
Bobo Dioulasso	from CI (Korhogo, Bouake and Abidjan) to Burkina (Bobo)		4,800		
Doropo	CI	CI to BF	3,500		
Niangoloko	from CI (Korhogo, Katiola, Ferkessedougou, Bouake, Ouangolo)		2,800	\$ 826,000	295
Kampti	CI (yellow maize)	CI to BF	1,500		
Batié	CI	CI to BF	672		
		Ivory Coast to Burkina Faso Subtotal:	18,072	\$ 5,737,860	318
Benin to Togo					
Ouaké		to Togo	6,000	\$ 2,070,000	345
Togo to Benin					
Kara		to Benin	5,400		
Burkina Faso to Ghana					
Techiman	from BF (Bobo and Leo)		4,440	\$ 2,044,620	461
Léo		to Wa and Techiman	240		
Gaoua	BF	BF to Ghana	100	\$ 28,850	289
		Burkina Faso to Ghana Subtotal:	4,780		
Burkina Faso to Mali					
Bobo Dioulasso	BF	BF (Bobo) to Mali	2,500		
Orodara	BF	to Mali (Sikasso and Kayes)	600	\$ 180,000	300
Orodara	BF	to Mali (Bamako and Mops)	600	\$ 180,000	300
		Burkina Faso to Mali Subtotal:	3,700		
Ghana to Burkina Faso					
Wa	Ghana	to Burkina	3,000		
Léo	from Techiman, Wenchia and Tumu	BF	350		
Bittou	from Ghana (Bawku)	BF	336	\$ 134,400	400
		Ghana to Burkina Faso Subtotal:	3,686		
Ghana to Ivory Coast					
Bondoukou	Ghana	CI	1,750		
Bouna	Ghana	CI	1,250		
		Ghana to Ivory Coast Subtotal:	3,000		
Togo to Benin					
Malanville	from Togo	to Benin	1,500	\$ 480,000	320
Bohicon	from Togo	to Benin	1,320	\$ 448,800	340
Kéao	Togo	to Benin	30	\$ 12,000	400
		Togoto Benin Subtotal:	2,850		
Benin to Burkina Faso					
Nadiagou	White maize - from Benin	to BF (for Ouagadougou)	2,500	\$ 900,000	360
Togo to Ghana					
Techiman	from TG (Dapaong)		1,760	\$ 810,480	461
Burkina Faso to Ivory Coast					
Batié	BF	BF to CI	1,152		
Gaoua	BF	BF to CI	500	\$ 144,250	289
Doropo	BF (yellow maize)	BF to CI	30		
		Burkina Faso to Ivory Coast Subtotal:	1,682		
Ghana to Benin (for Niger)					
Malanville	from Ghana	to Benin	1,000	\$ 320,000	320
Benin to Ivory Coast					
Malanville	from Benin	to Ivory Coast	300	\$ 96,000	320
Nigeria to Benin					
Malanville	from Nigeria (Kebbi)	to Benin	250	\$ 80,000	320
Togo to Burkina Faso					
Bittou	from Togo (Dapaong)	to BF	229	\$ 91,600	400
Mali to Burkina Faso					
Bama	from Mali (Dec-Jan)	to Bobo and Ouaga	72		
Orodara	from Mali	to BF	40	\$ 12,000	300
		Mali to Burkina Faso Subtotal:	112		

(Annual Estimates)

Sorghum and Millet

Sometimes bundled together, there are two types of sorghum (red and white) in regional trade. Like maize, millet and sorghum flows are complex and seasonal in nature, flowing in modest quantities from bimodal countries and larger quantities from unimodal countries.

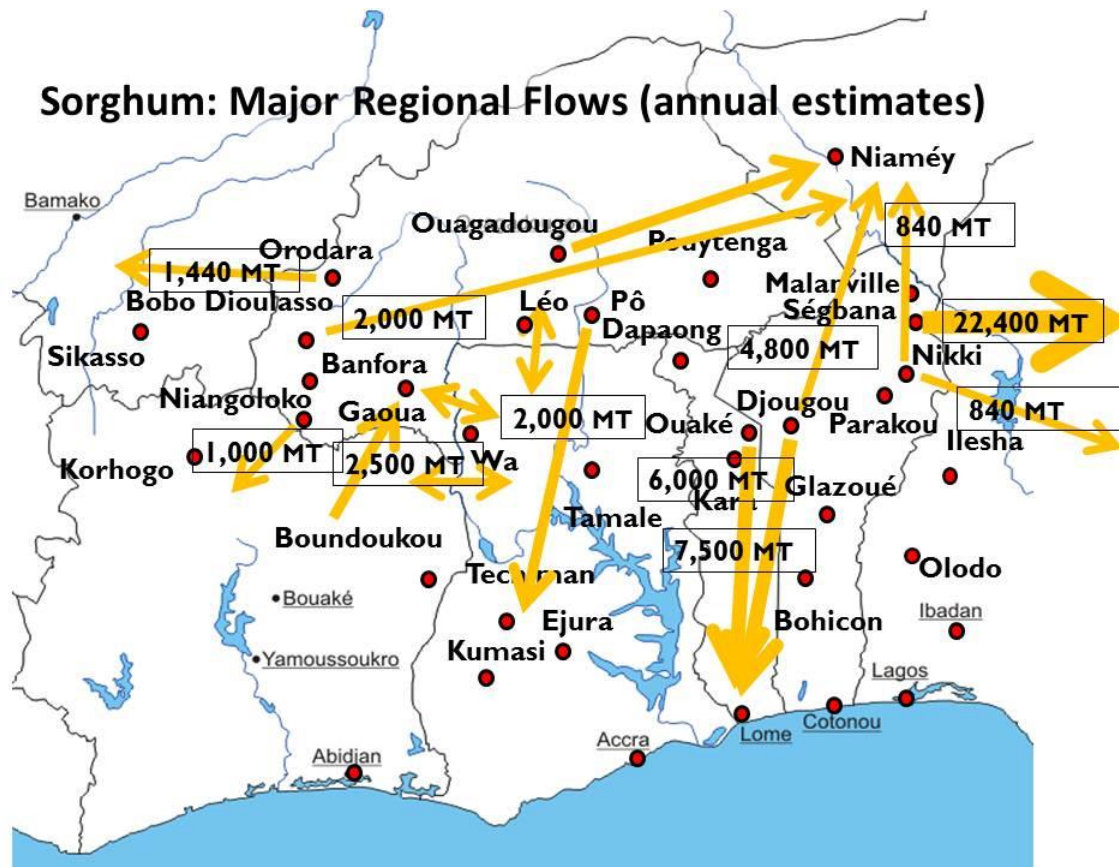
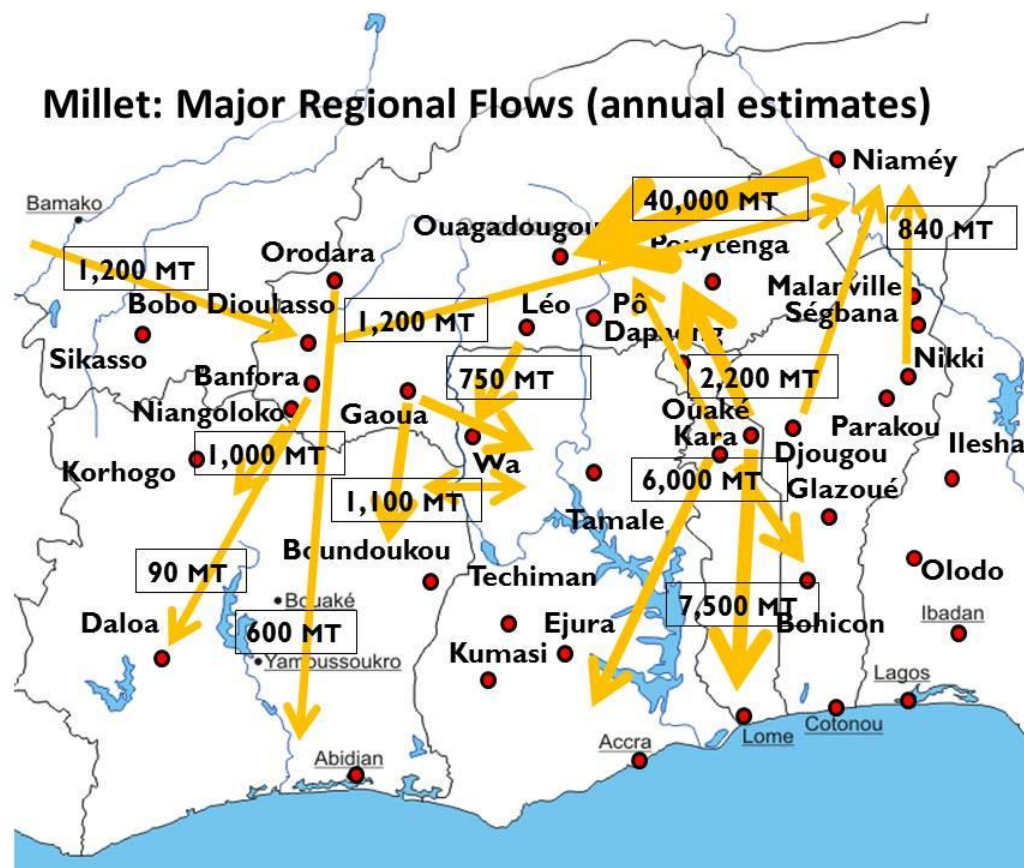


Figure 8: Major Flows of Sorghum by Origin and Destination

Suited to industrial applications as a brewery feedstock, white sorghum is exported in quantities from Burkina Faso to Ghana, destined for the Guinness brewery at Kumasi. Red sorghum is a major food crop in throughout the region, with most consumption local and considerable flows east to Niger and Nigeria (also a major producer).

Table 9: Sorghum Transactions by Countries of Origin and Destination, and Annual Product Flow

	Origin	Destination(s)	Quantity Flow (MT per annum)	Total Value (USD)	ave. price (USD/MT)
Benin to Nigeria					
Ségbana	from Benin	to Nigeria (4 markets)	22,400	\$ 8,288,000	370
Nikki	from Benin	to Nigeria	840		
		Benin to Nigeria Subtotal:	23,240	\$ 8,598,800	370
Benin to Togo					
Djougou	from Benin	to Lomé via Kéao	7,500	\$ 4,387,500	585
Ouaké	from Benin	to Togo	6,000	\$ 2,430,000	405
Nikki	from Benin	to Togo (Kasouar)	360		
		Benin to Togo Subtotal:	13,860	\$ 6,860,700	495
Benin to Niger					
Djougou	from Benin	to Niger (via Malanville)	2,250	\$ 1,316,250	585
Nikki	from Benin	to Niger (via Malanville)	840		
		Benin to Niger Subtotal:	3,090		
Burkina Faso to Ghana					
Pô	Burkina	Ghana	2,000		
Bittou	Burkina Faso	to Ghana (Bawku)	564	\$ 225,600	400
Léo	Léo, Ouahigouya, Ouagadougou	Wa, Techiman and Wenchi	120		
		Burkina Faso to Ghana Subtotal:	2,684		
Ivory Coast to Burkina Faso					
Doropo	CI (white sorghum)	BF	1,500		
Kampti	CI (white sorghum)	BF	1,000		
Batié	CI (white sorghum)	BF	100		
			2,600		
Mali to Niger					
Bobo Dioulasso	from Mali	to Niger	2,000	\$ 600,000	300
Burkina Faso to Ivory Coast					
Niangoloko	Burkina	to Ivory Coast	1,800		
Burkina Faso to Mali					
Orodara	Burkina [some from Mali, this year]	to Mali	1,440	\$ 414,000	288
Burkina Faso to Niger					
Fada N'Gourma	Burkina Faso	to Niger	500	\$ 142,500	285
Benin to Ghana					
Djougou	from Benin	to Ghana	500	\$ 292,500	585
Mali to Burkina Faso					
Bobo Dioulasso	from Mali	to Burkina	90	\$ 27,000	300
Burkina Faso to Benin					
Nadiagou	from Burkina	to Benin	20	\$ 5,600	280



Figure

9: Major Flows of Millet by Origin and Destination

Often considered as an undistinguishable component of the 'sorghum and millet value chain,' millet is higher in economic as well as nutritional value, and is consumed as a relatively nutrient-dense staple cereal with lower levels of digestive disrupting compounds (e.g. phytic acid complex) as compared to sorghum. During the interviews in Malarville (which unavoidably fell on the Tabaski holiday), the team was feasted with *koko* – a highly nutritious traditional drink based on lactic fermentation of millet and maize, popular in the Hausa-speaking regions throughout the study area.

Table 10: Millet Transactions by Countries of Origin and Destination, Annual Product Flow

	Origin	Destination(s)	Quantity Flow (MT per annum)	Total Value (USD)	ave. price (USD/MT)
Niger to Burkina Faso					
Ouagadougou - Adja Velegda	from Niger	to Burkina	40,000	\$ 24,000,000	600
Ouagadougou	from Niger (Maradi) via Dori	Ouagadougou	1,000	\$ 600,000	600
			41,000	\$ 24,600,000	600
Benin to Togo					
Ouaké	from Benin	to Togo	6,000	\$ 3,060,000	510
Togo to Burkina					
Kara	from Togo	to Burkina	2,200		
Burkina Faso to Ghana					
Gaoua	from BF	to Ghana	200	\$ 74,000	370
Wa	from BF	to GH (Wa only)	700		
Léo	from BF	to GH (Wa only)	750	\$ 412,500	550
	Burkina Faso to Ghana Subtotal:		1650		
Burkina Faso to Ivory Coast					
Bobo Dioulasso	BF (Bobo)	to CI (Bouake, Abidjan)	50		
Orodara	from BF	to CI (Abidjan by train)	600	\$ 330,000	550
Banfora	from BF and ML	to CI	90	\$ 49,500	550
Kampti	from BF	to CI	240		
Gaoua	from BF	to CI	500	\$ 185,000	370
	Burkina Faso to Ivory Coast Subtotal:		1480		
Togo to Benin					
Kara	from Togo	to Benin	1,400		
Mali to Burkina Faso					
Bobo Dioulasso	from Mali	to Burkina	1,200		
Burkina Faso to Niger					
Bobo Dioulasso	from BF	to Niger	1,200		
Togo to Ghana					
Kara	from Togo	to Ghana	800		
Ivory Coast to Burkina Faso					
Gaoua	from CI	to BF	80	\$ 29,600	370
Burkina Faso to Mali					
Orodara	from BF	to ML (month of Ramadan)	30	\$ 16,500	550

Rice

Paddy rice was observed in cultivation in southwestern Burkina Faso, and in northern Ghana and central Benin and Togo. Quantities of paddy rice from eastern Benin supply the rice mill in Malanville (Benin, on the Niger border) and lesser quantities supply the mills in Nigeria. Trade in milled rice is much more prevalent, though in assessing these flows there are risks of conflation with flows of imported rice (prevalent in Ghana and the port cities of Cotonou and Lome). Parboiled rice was noted in trade from Burkina Faso to Mali (at over 3,500 MT of estimated annual flow), and from eastern Benin to Nigeria (at just 250 MT of estimated annual flow, though commercial interest is said to be increasing).

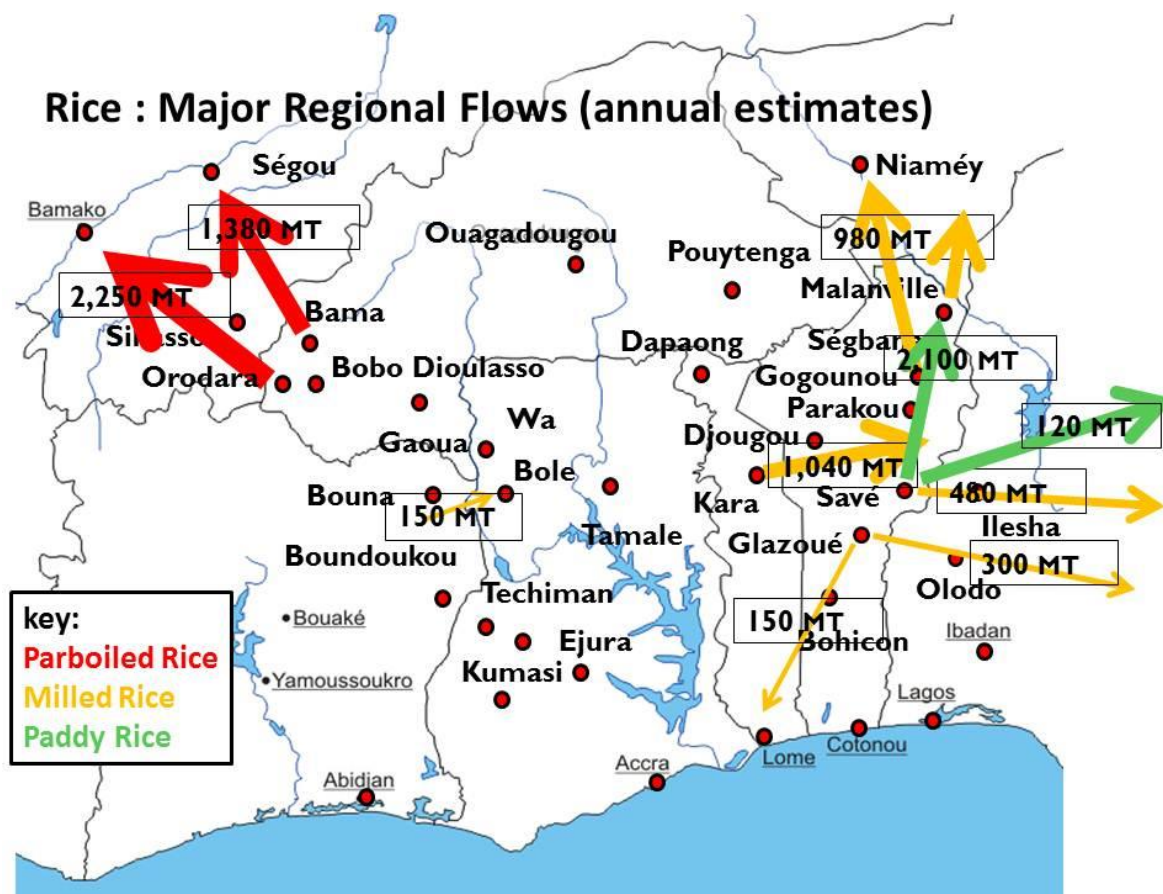


Figure 10: Major Flows of Rice by Product, Origin and Destination

Onion

Huge quantities of onion are exported from Niger – from Agadez and from Galmi. Onion is also exported from Burkina Faso, and is produced with some measure of regional trade in Benin (along the river Niger at Malanville), and possibly Ghana (though the area of reported origin, Bawku, borders both Togo and Burkina Faso). So much has the onion value chain been studied under the ATP and E-ATP projects that its trade was not extensively documented during this study, though general figures were collected at key markets. The exports reported at Malanville may be seen as illustrative, with perhaps greater volumes moving south from Niger through the preferred North to South export corridor of Togo.

Table 11: Onion Transactions: Niger to Benin

	Origin	Destination(s)	Quantity Flow (MT per annum)	Total Value (USD)	ave. price (USD/MT)
Niger to Benin					
Malanville	from Galmi (Madaoua, Arewa, Daoua)	to Benin	10,500	\$ 6,063,750	578
Malanville	from Agadez (Nov-Dec)	to Benin	4,600	\$ 2,656,500	578
Niger to Benin Subtotal:			15,100	\$ 8,720,250	578

2.1 Descriptive Results by Value Chain: Other Commodities

2.2.1 Cereals

Fonio

An indigenous grain, seed of the wild grass *Digitaria exilis* is cultivated somewhat in Burkina Faso, but more so in Mali and Guinea. Though high in value at \$500-800 per MT at Orodara (exporting 340 MT per annum to Mali), *fonio* was little mentioned in trade within the study area.

2.2.2 Pulses

Cowpea

Cowpea is a commodity of vast economic importance in regional trade, with large volumes flowing south from the agriculturally marginal landscapes of Niger and Burkina Faso (where their cultivation provides a hugely valuable environmental service by fixing atmospheric nitrogen to fragile and sandy soils to complement limited inputs of organic matter and fertilizer. The nutritional value of cowpea makes it a highly sought source of dietary protein, far less expensive than animal protein, and simple to prepare as a meal in the institutional context (e.g. schools, military and prisons, and as relief food).

Production areas in Niger are centered around Maradi, secondarily Dogondoutchi and Dosso, while Niamey serves as a major transit market. Burkina Faso produces quantities in Kaya, Tienkoro and Mokoteru, with notable trade in the markets of Pouytenga and Dori – presumably including imported cowpea from Niamey. Cowpea is cultivated in central Togo and Benin, entering Ghana at Bawku, while cowpea from Niger and Burkina Faso serves end markets in Tamale, Techiman, Ejura, Kumasi, Takoradi and Accra.

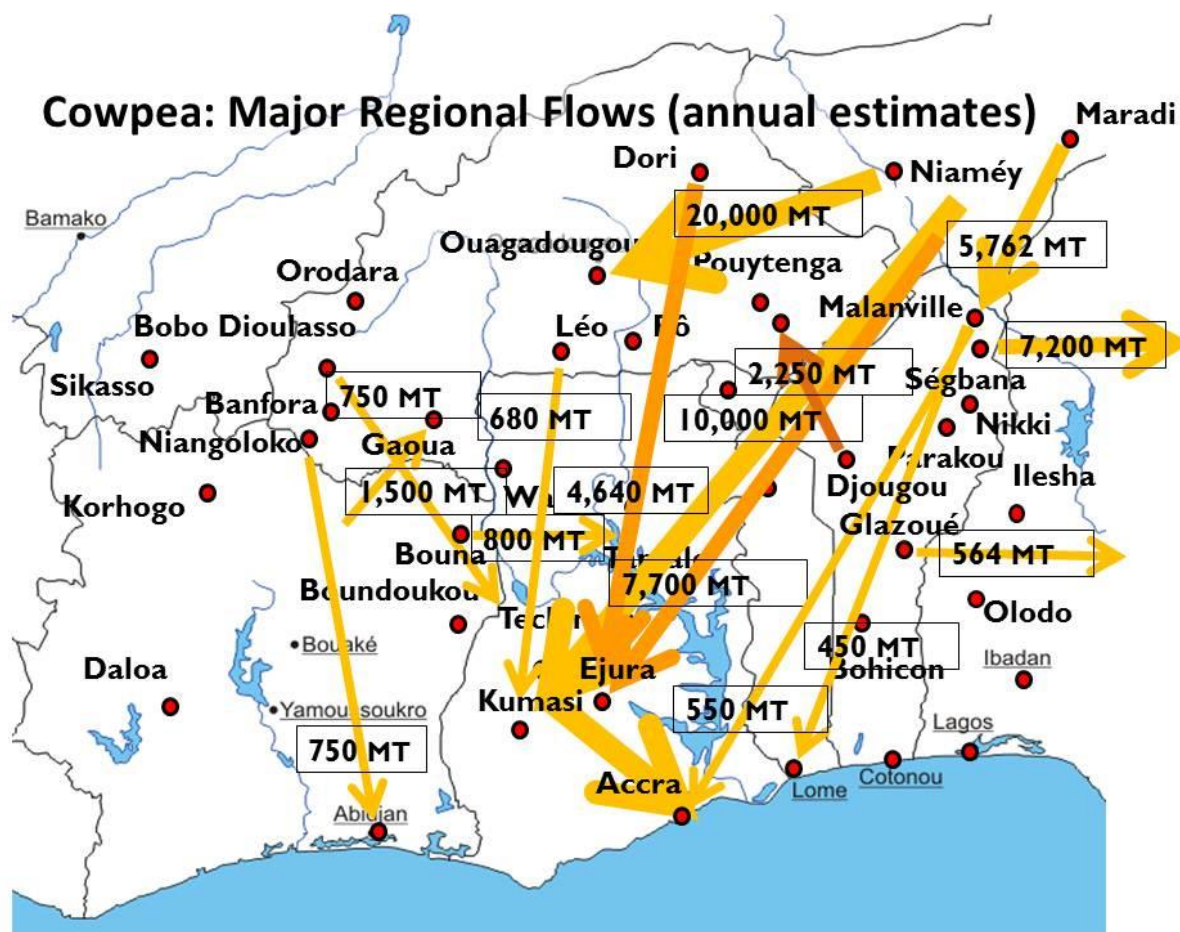


Figure 11: Major Flows of Cowpea by Origin and Destination

Cowpea by Corridor

Accra and Niamey / Maradi: maize flows north in great quantities [MT/yr] via Malanville while pulses (cowpea, groundnut) flow south.

Ouagadougou and Accra via Dakola/Paga: large volumes of maize flow north [MT/yr]

Ouagadougou and Dakar via Bobo Dioulasso and Bamako: maize moves in both directions; initially from Mali to Burkina Faso and Ivory Coast, and later in much larger volumes from Ghana, Ivory Coast and Burkina Faso to Mali and Senegal [MT/yr]

Bobo Dioulasso and Niamey via Ouaga and Pouytenga or Dori: large volumes of maize flow north and east to Niger [MT/yr], while pulses (e.g. cowpea and groundnut) flow south

Ouagadougou and Abidjan via Bobo Dioulasso: maize moves in both directions maize initially flows north from Abidjan, with some later trade of Ghanaian and Burkinabe maize to northern Ivory Coast Senegal [MT/yr]; Ivorian trucks also load Beninois maize at Malanville.

Ouahigouya and Ibadan / Lagos via Parakou or Save: maize flows north from Benin to Niger Senegal [MT/yr] and into Burkina Faso Senegal [MT/yr], along with maize from Ghana and Togo (via Dapaong).

Table 12: Cowpea Transactions by Countries of Origin and Destination, Annual Product Flow

	Origin	Destination(s)	Quantity Flow (MT per annum)	Total Value (USD)	ave. price (USD/MT)
Niger to Ghana					
Kumasi	from Niger (Maradi and Dosso)	Ghana (institutions and markets)	10,880	\$ 98,863,158	\$ 943
Ejura	from Niger and BF	to Ghana	7,700		
Kumasi	from Burkina (Dori)	Ghana (institutions and markets)	4,640	\$ 42,231,579	\$ 943
Malanville	Niger Origin	to Ghana (via Atakpame)	2,000	\$ 1,600,000	\$ 800
Techiman	from Niger (Maradi and Dosso)	Ghana (institutions and markets)	620	\$ 573,500	\$ 925
		Niger to Ghana Subtotal:	25,840	\$ 23,327,060	903
Niger to Burkina Faso					
Ouagadougou - Adja Velegda	from Niger	to Burkina (for BF, GH, CI and ML)	20,000		
Bobo Dioulasso	from Niger		750		
		Niger to Burkina Faso Subtotal:	20,750		
Niger to Benin					
Malanville	Niger (Niamey)	Benin	5,762	\$ 4,609,600	\$ 800
Malanville - Phyto	Niger (Niamey)	Benin	3,260	\$ 2,608,000	\$ 800
Djouougou	from Malanville (Niger)	to Cotonou (with local production)	675	\$ 688,500	\$ 1,020
Glazoué	from Malanville (Niger)		250	\$ 237,500	\$ 950
		Niger to Benin Subtotal:	9,947		
Benin to Nigeria					
Ségbana	from Benin	to Nigeria (4 markets)	7,200	\$ 4,320,000	\$ 600
Glazoué	Benin	to Nigeria	564	\$ 535,800	\$ 950
		Benin to Nigeria Subtotal:	7,764		
Burkina Faso to Ghana					
Bobo Dioulasso	BF	to Ghana	500		
Bittou		to Ghana (Accra)	354	\$ 300,900	\$ 850
Wa	from BF (Yako, Ouahigouya, Kaya)		350		
Bittou		to Ghana (Kumasi)	300	\$ 255,000	\$ 850
Léo	Ouahigouya, Kaya, Yako	Wa, Wenchí, Techiman, Kumasi, Sunyani	680	\$ -	\$ -
Bittou	Kaya, Tienkoro, Pouytenga	to Ghana (Bawku)	148	\$ 125,800	\$ 850
Bittou		to Ghana (Techiman)	148	\$ 125,800	\$ 850
Tamale	from BF (Kaya) via Dakola/Paga	to Ghana	600	\$ 537,000	\$ 895
Pô	Local production and from Niger	to Ghana via Paga and Léo/Tumu		\$ -	\$ 1,100
		Burkina Faso to Ghana Subtotal:	3,080		
Benin to Burkina Faso					
Nadiagou	from Benin	to BF (for Ouaga, Pouytenga)	2,250	\$ 1,440,000	\$ 640
Niger (via Benin) to Togo					
Malanville	Niger Origin	to Togo (via Atakpame)	2,000	\$ 1,600,000	\$ 800
Ivory Coast to Ghana					
Bouna	CI	GH	800		
Niangoloko		to CI (Abidjan via Bouake)	750	\$ 472,500	\$ 630
		Ivory Coast to Ghana Subtotal:	1,550		
Ivory Coast to Burkina Faso					
Gaoua	CI (Kpéré, Djigbé, Vichtiou, Doropo)	to BF (Gaoua)	1,500	\$ 900,000	\$ 600
Burkina Faso to Ivory Coast					
Bobo Dioulasso	BF	to CI	500		
Orodara	Burkina	to CI	440	\$ 396,000	\$ 900
Kampti	BF	CI	200		
Doropo	BF	CI	20		
		Burkina Faso to Ivory Coast Subtotal:	1,160		
Burkina Faso to Togo					
Kara	from Burkina via Senkassé/Dapaong	to Togo	540		
Fada N'Gourma	Niger (Niamey)	Burkina	500	\$ 275,000	\$ 550
		Burkina Faso to Togo Subtotal:	1,040		
Togo to Benin					
Bohicon	from Anié (Togo) - Niger origin?		320	\$ 262,400	\$ 820
Togo to Ghana					
Kara	Togo	to Ghana via Banjelié	160		
Ivory Coast to Burkina Faso					
Doropo	CI	BF	150		

Pigeon Pea

Tall (perennial) varieties of pigeon pea were observed in cultivation in central Benin (between Save and Glazoue, and in trade in Kétau market (on the Togo/Benin border). Noting that pigeon pea (*Cajanus cajan*) is called *haricot* in French, as is the unrelated and highly prominent cowpea (*Vigna unguiculata*) – also known as *niébé* – it is possible or even likely that trade figures for pigeon pea may be embedded in the cowpea data.

Soya

Soya is cultivated in central Ghana, Togo and Benin, serving industrial applications in these countries (oil mills in Kumasi and Techiman, at the Fludor factory in Abomey and Nioto in Lome, and in Nigeria), with press-cake used as a basis for poultry feeds. Large volumes move east to Nigeria, and lesser volumes to Ghana.

Groundnut

Large volumes move south from Niger to serve major urban markets of Lome, Cotonou, Kumasi and Accra. Extraction of groundnut oil is done throughout West Africa, and the edible 'press-cake' (*tortean d'arachides*) is widely traded as a base for stews and soups.

Bambara Groundnut (pois de terre)

This indigenous pulse remains important in national and regional trade, commonly sold as a snack during and immediately following the harvest (boiled salted grains by the small pile at FCFA 100-200). Many indigenous varieties exist (particularly in southwest Burkina Faso and in northern Togo and Benin).

Locust Bean (nééré)

The source of the fermented pod-pulp known as *dawadawa* or *soumbala* (a highly aromatic flavoring for stews and soups), the protein-rich seeds of *Parkia biglobosa* are also fermented and a component of stews. There is considerable trade in locust bean between Ivory Coast, Burkina Faso and Ghana, and between Togo, Benin and Nigeria.

2.2.3 Tubers

Yam

Yams are highly prevalent in local and national trade across West Africa, with photogenic piles in nearly every market, and along many road-sides. Yam is produced in volume in northern Ghana (the areas of Tamale and Yendi in particular), southwestern Burkina Faso, central Togo and Benin, and in Nigeria, with regional trade flowing north from Ghana, Togo and Benin to Burkina Faso and Niger, east from Benin to Nigeria, and west via Ouagadougou and Bobo Dioulasso to Bamako.

Dried yam chips (*cossettes d'igname*) are common in trade between Togo and Benin to Burkina Faso and Niger, and east from Togo and Benin to Nigeria.

Cassava

Less notable in the form of fresh tubers than the noble yam, cassava is usually further processed into dried cassava chips (*cossettes de manioc*), tapioca (cassava balls) and perhaps most notably the fermented cassava flour known as *gari*, which flows in quantities from central Togo and Benin to Nigeria, Niger and Ghana.

2.2.4 Horticultural Products

Horticultural products prominent in regional trade include onion and tomato, and a variety of fruit crops including banana (both sweet varieties and plantain), pineapple, papaya, mango and citrus (lemon and orange, with special varieties of smooth lemon in southwest Burkina Faso, and a peculiar re-fleshed orange in central Ghana which finds its way widely afield (e.g. to Malanville on the Benin/Niger border).

Tomato

Tomato is widely traded between Burkina Faso and Ghana, and between Mali and Burkina Faso. The perceived high quality of the Burkinabe tomato in terms of pulp to water ratio was expressed as a consumer preference at Bolgatanga. Otherwise, time did not permit much time expenditure on tomato and other horticultural crops mentioned.

2.2.5 Other Foods, Spices and Condiments

Other plant-based foods noted in regional trade but less essential (and in some cases harder to quantify than staple cereals, pulses and tubers) include :

Tiger nut (*pois sucré*): cultivated in ancient Egypt and in modern Ghana and Mali..., the ‘micro-tuber’ of the sedge *Cyperus esculentus* is used as a base for the drink *horchata* in southwest Burkina Faso, is exported from Ghana to Europe, and is mentioned in trade elsewhere throughout the region;

Egusi: protein-rich seeds of the melon *Citrullus lanatus* and related species are widely traded as a base for soups and stews.

Chilis (piment): cultivated in central Benin in particular (border area of Save) widely traded fresh as small piles of habanero and dwarf habanero pepper as a seasoning for soups and stews, fried chili peppers of other varieties are also traded, and drying red chilis a common sight along the West African roadside.

Ginger and Garlic (fresh root): of Nigerian origin, enters Benin via Niger (at Malanville); some may reach Ghanaian markets, along with cola and bitter cola, also produced in the humid forest zones of Ghana and Ivory Coast.

Hibiscus sabdariffa (*bissap*): dried calyces of *bissap* are widely traded between Mali and Burkina Faso as the base of a refreshing herbal tea, served sweetened in households and in urban restaurants; quantities are traded within the region, and are exported to Europe (Germany in particular) and North America.

2.2.6 Export Commodities

Sesame: Though edible and nutritious, used as a thickener for soups and stews, large volumes of West African sesame are exported each year, primarily from Nigeria and Burkina Faso, and also from Mali and Gambia.

Cashew: while a small quantity of West African cashew kernel is roasted and sold within the region (most notably by Ghana, Ivory Coast and Benin), large volumes are exported from these countries, and from Nigeria, each year for processing in Europe and India, with Brazil and Vietnam entering the global market more recently as buyers for processing in complement to their own production.

Shea Kernel: Though inedible as a ‘nut’ shea kernel provides dietary fat to resource-poor communities without the need of planting or cultivation – and valuable income to rural women who collect the nut and process it (through drying and par-boiling). Shea kernel is a significant product in terms of regional trade, and it serves as a ‘back-load’ geographically complementary to cross-border trade in cereals and pulses.

2.3 Factors Affecting Trade in the Central Basin of West Africa

2.3.1 Transport Costs

Transport costs for food commodities in the study area are generally per bag (90 kg is standard in Ghana, 100 kg in the francophone countries – though bag weight does vary by product and market between 85 and 120 kg, with loads of up to 150 kg reported (for maize).

Transport costs vary widely between geographic and political contexts, and there is a clear correlation (or trade-off) between volume - and official scrutiny - versus lesser trodden paths, including seasonally flooded roads (between Ivory Coast and Burkina Faso – via Mali to avoid formalities, at a substantial premium in the wet season) and river crossings by dugout canoe (*pirogue*) and 2-ton truck along intentionally obscured routes between Burkina Faso and Ghana.

2.3.2 Systemic Factors Affecting Trade

Systemic Factors Affecting Trade within the study area include :

- Existence of semi-official export bans, often communicated verbally or by telephone, in contravention of inter-governmental agreements between the ECOWAS states;
- Official or semi-official interdiction of non-national traders and vehicles from crossing certain borders, most notably in the case of Ivory Coast which restricts access of Ghanaian traders and Ghana-registered vehicles from entry at border crossings with Brong Ahafo Region;
- Security of passage in many areas, most notably border regions between Burkina Faso and Ghana, Benin and Niger, and between Benin and Nigeria;
- Access to currency exchange facilities; and
- Access to (or functionality of) systems of market credit including the capital required to consolidate aggregated shipments of a minimum 35 MT for cross-border transport.

3.0 Conclusions and Recommendations

The data collected here should be used as a basis for assessing trade flows in complementarity to other, sequential data sources, beginning with those generated by the ATP and E-APT projects over time. While this component of the study is undertaken in parallel to the sequential market data, analyzed separately by Henri Josserand, on basis of these findings and observations it seems doubtful that any system of market information could be considered as complete given implicit and explicit motives lending to concealment of transactions, or at least minimizing official oversight, in order to avoid the legitimate and illegitimate costs of moving cargo across international boundaries of the West Africa region.

Despite this tendency - and the stated opinion of many informants that ‘traders don’t share information’ – the data clearly provides an illustrative framework for consideration, triangulation and verification, with potential for monitoring over time according to simple data collection formats provided here. A significant result of this study is a ‘hot list’ of key informants, by market, corridor and product, who seem best placed to offer informed estimates of annual trade of specific products along the corridors studied. The contacts list provided in Annex 2 to this report should provide a platform for further follow-up over time in this regard.

Additional Observations

a. *Areas where security problems affect trade*

Trade in border areas of Burkina Faso and Ghana, Togo, Benin and Niger is affected by regular incidents of banditry, as is the long, porous border between Benin and Nigeria.

b. *Hotspots for bribes and road blocks*

The worst single point in the study area may fairly be identified as Aflao, with the police entry checkpoint south of Tamale (Ghana) also noted. According to respondents, road bribery in Burkina Faso has significantly reduced in recent years (with credit given to the ATP and E-APT projects), whereas in Ghana there was some progress in reduction of formal barriers, followed by a new phenomenon of informal barriers. Togo is notably lacking in road harassment (it is the favored corridor for trucks from Niger to the ports of Cotonou and Tema, as well as Lome), while Benin is by far the most clearly corrupt – from sections of road unmaintained for years (Djougou to Parakou – 120 km at well over three hours) to the smallest market level – women traders on foot ‘charged’ FCFA 200 or 300 per head-load.

c. *Areas where pastoralist –related cattle movement and livestock trade intersect*

All areas studied, in particular the Leo/Tumu and Hamale borders between Burkina and Ghana, the Niangoloko border between Burkina and Ivory Coast, and the Benin border with Nigeria, where all or nearly all of the cattle passes across to the Nigerian markets on the hoof.

d. *Areas where livestock walk through border*

Passage on the hoof was most notably observed along the Benin border with Nigeria, where all or nearly all of the cattle passes across to the Nigerian markets on the hoof. Though there are customs formalities and costs *per se* (such as veterinary ‘inspection’), the relative costs and risks of hoof passage

are far preferable to truck passage along poor and insecure roads, as the costs of delay (loss of animals) are not acceptable to traders.

Livestock commonly are herded across borders in most of the areas studied, with the notable exception of the Dakola to Paga border between Burkina and Ghana. Passage by hoof was noted (though not exclusively so) in particular the Leo/Tumu and Hamale borders between Burkina and Ghana (where truck-loads also pass), and the Niangoloko border between Burkina and Ivory Coast (nearby the railroad which carries both cattle and small ruminants from Burkina to Abidjan). Ivorian cattle truck drivers interviewed at Ouagadougou lamented that they can only drive during the day due to insecurity on the roads.

e. Which trade is mainly done by recipient country traders?

In general terms, most trade is undertaken by recipient country traders, though there are exceptions where border restrictions formally or informally forbid passage by traders or non-nationally registered vehicles. Whereas Niger was described in somewhat contradictory terms in this regard (traders and transport may be blocked entering with product if national stocks are adequate, and from departing at any time), the restrictions imposed by the Ivory Coast on traders and on Ghanaian-registered vehicles are onerous and highly discouraging to Ghanaian traders in general.

f. Which trade is mainly done by export country traders?

The livestock trade, in particular the cattle trade, is clearly driven by Burkinabe and Malian traders and transporters, who traverse to the eastern border of Benin to supply the Nigerian markets of Ilesha, Olodo and Lagos.

g. Areas/commodities with back and forth trade

Maize and livestock are most notably traded back and forth across borders. According to seasonality of production, and the current exchange rates between the Ghana Cedi, the Nigeria Naira and the CFA Franc, a given lot of maize may be traded several times across the same border, with wet Ghanaian (or Nigerian) maize being traded northward into Burkina or Niger, and later traded south again as dried maize.

h. Cultural/ethnic connections with trade

The great cereal and pulse markets (Techiman, Kumasi, Parakou, Malanville) and the onions trade have Hausa (or Hausa-speaking) characteristics, while the regional cattle trade has very clear Peul (Fulani) characteristics. Future market study teams would clearly benefit from Hausa-language representation.

i. Women's involvement in trade

Women traders are quite prevalent in the regional cereal and pulse markets, most notably in trade of cowpeas and other pulses (such as Bambara groundnut and groundnut)

j. Listings of specific restrictions, informal and formal

Among the most problematic restrictions identified include the restriction of food exports from Burkina Faso, which is communicated informally (e.g. by a telephone call from the Ministry of Commerce), or not communicated at all (export permit not forthcoming).

The restrictions on entry of Ghanaian traders and Ghana-registered transport to Ivory Coast has been noted.

k. Systems of credit used

A multiplicity of credit systems are used, and were commonly described as problematic for cereals and pulses (i.e. shipments of grain delivered on credit unpaid). The transfer of funds both within banks (e.g. Ecobank) and across currencies (Naira to FCFA, FCFA to Cedi) was identified as a difficulty, as was access to funds exchange in remote border markets between Burkina Faso and Ghana, and Benin and Nigeria.

Lack of access to formal credit arrangements are a constraint to small traders, who lack the necessary capital for consolidation and aggregation (e.g. the need for cereal traders of Nadiagou to sell short on Pouytenga market to trade to Niamey).

l. Transport costs encountered

[Comprehensive analyses of transport costs were collected by my counterparts (Kam Dieudonné for Burkina Faso, Labi Dahoui for Benin and Togo) and will be included in my final report.]

m. Other transport issues (vehicles used on specific routes)

Standard in trade are the

- 40-ton truck (*remorque* in Burkina Faso, *titan* in Togo and Benin);
- 10-ton truck (*dix ton* or *dogombarou*), often loaded to 15 MT or excess (some Nigerian trucks of this class are said to be reinforced for 20 MT capacity); 10-ton trucks are common in trade of cereals and pulses, particularly between Burkina Faso and Ivory Coast;
- 4-ton pickup (*camionette* or *bache*);
- Dugout canoe (*pirogue*) across rivers (average capacity 500 kg); noted between Burkina and Ghana across rivers including the Black Volta.

n. Observations on trade in processed products and other commodities

- Processed products noted include parboiled rice between Burkina Faso and Mali, and between Benin and Nigeria; dried chips of yam and cassava (*cossettes de igname*, *cossettes de manioc*) from Togo and Benin to Burkina Faso, Niger and Nigeria; tapioca from Benin to Niger and Nigeria; and, perhaps most significantly, gari (fermented cassava flour) from Togo and Benin to Burkina Faso, Niger and Nigeria.
- Most products are traded in at least a semi-processed form (milled rice rather than paddy, decorticated groundnut), though some exceptions were noted (fresh Bambara groundnut, whole seed of egusi).
- Though commerce in smoked, dried and salted fish is omnipresent across West Africa, it was not possible to consider these products as a component of the current study.

o. Relationship between two commodity trades through transport: one in, other out

Noted for :

- Beninois Maize to Niger in return for Onion
- Ghanaian wood and wood products from Kumasi and Techiman for cowpea from Niger
- Ghanaian plastics for cowpea from Niger, range of cereals and pulses from Burkina Faso
- Ivoirian plastics (e.g. buckets) from Abidjan for Burkinabe Sorghum
- Salt and 'iron' from Abidjan for livestock from Burkina Faso

p. Observations on infrastructure (roads, markets)

A great deal of detail is included in the interview notes, but details of infrastructure may be limited to the storage capacity of certain cereal markets.

q. Observations on barter systems in place

None were noted as such.

Rapid Market-Based Situation Analysis Component Trade Data Study of the Central Basin of West Africa



Ghana, Burkina Faso, Togo and Benin
with reference to Ivory Coast, Mali, Niger and Nigeria

Annexes

All Data

Eliot Masters, Consultant
for Abt Associates Inc.



Mission Itinerary: **Green Line**

Figure I: Itinerary



Figure 2 and Table I : Markets and Data Points by Country and Location

Ghana	Burkina Faso	Benin
Kumasi - Kejietia	Pô - Cereals	Parakou - Chambre d'Agriculture
Kumasi - Livestock	Ouagadougou (Adja Velegda)	Parakou - Arzeke (Cereals)
Techiman - Cereals	Ouagadougou - Livestock	Parakou - Livestock 1 (Gema)
Bolgatanga	Ouagadougou (CICB)	Parakou - Livestock 2 (Turu)
Wa - Livestock	Léo - Cereals	Malanville - Phytosanitary
Wa - Cereals	Léo - Livestock	Malanville - Cereals
Bole - Cereals	Bama - Cereals	Malanville - Onion
Kumasi - Asoase (Cereals)	Niangoloko - Cereals	Ségbana - Cereals
Ejura - Cereals	Banfora - Cereals	Ségbana - Livestock
Tamale - Cereals (Ababu)	Orodara - Cereals	Gogounou - Livestock
Tamale - Shishao (Livestock)	Orodara - Livestock	Petit Partis (Sorri) - Livestock
Dormea-Ahenkro - Eggs	Bobo Dioulasso - Cereals	Gogounou - Cereals
Ivory Coast	Bobo Dioulasso - Livestock (Train)	Nikki - Cereals
Doropo - Cereals	Gaoua - Cereals	Nikki- Livestock
Bouna - Cereals	Hamale - Livestock	Savé - Cereals and Livestock
Bondoukou	Fada N'Gourma - Livestock	Glazoué - Cereals
Togo	Bittou - Cereals	Bohicon - Cereals
Kéto - Cereals	Pouytenga - Livestock	Cotonou - Cereals
Lama Kara - Cereals	Fada N'Gourma - Cereals	Cotonou - Onion
Anié - Cereals	Nadiagou - Cereals	Djougou - Cereals
Atakpamé	Kantchari - Cereals and Onion	Ouaké - Cereals
Lome - Cereals	Batié - Livestock Market	
Lome - Onion	Kampti - Livestock Market	

Annexes

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Annex I : All Products Observed and Reported with Data by Market Point

Animals	1	Livestock (Cattle)
	2	Small Ruminants: Sheep
	2	Small Ruminants: Goats
	3	Poultry
	4	Guinea Fowl
Animal Protein		Chicken Eggs
		Dried Fish
		Salt Fish
		Smoked Fish
Cereal Grains	5	Maize
	6	Sorghum
	7	Millet
	8	Fonio
	9	Paddy Rice
	10	Milled Rice
	11	Parboiled Rice (riz étuvé)
Pulses	12	Cowpea
	13	Pigeon Pea
	14	Soya
	15	Groundnut
	16	Bambara Groundnut (pois de terre)
	17	Locust Bean (nééré)
	18	Tiger Nut (pois sucré)
	19	Egusi
Tubers	20	Yam
	21	Cassava
Semi-Processed Foods	22	Cassava chips (cossettes)
	23	Yam chips (cossettes)
	24	Gari (fermented cassava flour)
	25	Tapioca (cassava balls)
Horticultural	26	Onion
	27	Tomato
Spices and Condiments	28	Chilis (piment)
	29	Ginger (root)
	30	Garlic (root)
	31	Hibiscus sabdariffa (bissap)
Export Commodities	32	Sesame
	33	Cashew
	34	Shea Kernel

Rapid Market-Based Situation Analysis Component, Trade Data Study of the Central Basin of West Africa
Ghana, Burkina Faso, Togo and Benin with reference to Ivory Coast, Mali, Niger and Nigeria

Initial Analysis of Product Flow and Price Range, All Data

(Draft 10 December 2012)

I. Cattle : All Markets by Annual Product Flow and Price Range								
	Origin	Destination(s)	Quantity Flow (head per annum)	Total Value (USD)	ave. price (USD/head)	price differential	min. price (USD/MT)	max. price (USD/MT)
Kumasi	Bobo Dioulasso (45%)	Ghana (fresh meat markets 90%)	5,990	\$ 3,941,683	658	0		
Kumasi	Fada N'Gourma (20%)	Ghana (fresh meat markets 90%)	2,662	\$ 1,751,859	658	0		
Kumasi	Ouagadougou (10%)	Ghana (fresh meat markets 90%)	1,331	\$ 875,930	658	0		
Kumasi	Pouytenga (10%)	Ghana (fresh meat markets 90%)	1,331	\$ 875,930	658	0		
Kumasi	Leo (10%)	Ghana (fresh meat markets 90%)	1,331	\$ 875,930	658	0		
Kumasi	Senkassé via Dapaong/Bawku (5%)	Ghana (fresh meat markets 90%)	666	\$ 437,965	658	0		
Kumasi		subtotal:		\$ 8,759,296				
Techiman								
Bolgatanga								
Pô								
Ouagadougou	from Ouahigouya, Djibo, Kaya	to Ghana via Hamale and Paga						
Ouagadougou	from Ouahigouya, Djibo, Kaya	to Abidjan by train	27,000	\$ 14,850,000	550			
Léo	from Ouahigouya, Djibo, Bosse, Tome	to Ghana and CI	12,500	\$ 7,150,000	572			
Bama								
Niangoloko								
Banfora								
Orodara		to Nigeria (Ilesha via Parakou)	2,250	\$ 900,000	400			
Orodara		to CI (Abidjan by train)	4,000	\$ 1,600,000	400			
Orodara		to Mali (Sikasso)	750	\$ 300,000	400			
Bobo Dioulasso		to CI (Abidjan by train)	57,600					
Bobo Dioulasso		to CI (Abidjan by truck)	24,000					
Bobo Dioulasso		to Nigeria (Ilesha via Parakou)	24,000					
Gaoua								
Hamale	[detailed origins listed in notes]	to Ghana (Wa to Accra and Takoradi)	6,000				550	600
Wa								
Bole								
Kumasi							700	800
Ejura								
Tamale								
Fada N'Gourma	[detailed origins listed in notes]	70% via Parakou (for Ilesha)	4,760					
Fada N'Gourma	[origins listed]	30% to Savé (for Olodo / Saki)	2,040					
Bittou								
Pouytenga		to Nigeria (Ilesha via Parakou)	5,564					
Pouytenga		to Benin (Cotonou)	1,457					
Fada N'Gourma								
Nadiagou								
Parakou - Gema	from BF (Pouytenga, Ouahigouya, Ouaga, Dori, Bobo)	to Nigeria (Ilesha - on hoof)	22,000	\$ 13,200,000	600			
Parakou - Gema	from BF (Pouytenga, Ouahigouya, Ouaga, Dori, Bobo)	to Nigeria (Olodo) via Savé	16,000	\$ 9,600,000	600			
Parakou - Turu	from BF (Pouytenga, Ouahigouya, Ouaga, Dori, Bobo)	to Nigeria (Ilesha - on hoof)	47,000	\$ 28,200,000	600			
Parakou - Turu	from BF (Pouytenga, Ouahigouya, Ouaga, Dori, Bobo)	to Nigeria (Olodo) via Savé	12,000	\$ 7,200,000	600			
		Parakou Subtotal	97,000	\$ 58,200,000				
Malanville								
Séghana	from Benin	to Nigeria (Samia and Bakirwa)	12,000					
Gogounou	from Benin	to Nigeria	5,476					
Sorri (Petit Paris)	from Benin	to Nigeria	7,992					
Nikki	from Benin (4 local markets)	to Nigeria (Ilesha, Ibadan, Lagos)						
Savé								
Glazoué	from Benin	to Nigeria	10,000					
Bohicon								
Abomey								
Cotonou								
Djouougou	from Burkina Faso	to Nigeria (Ilesha and Olodo)	11,250					
Djouougou	from Burkina Faso	to Cotonou	9,000					
Ouaké								
Kétao								
Kara								
Anié								
Atakpamé								
Lome								

*** ref from Hamale

2. Small Ruminants : All Markets by Annual Product Flow and Price Range

	Origin	Destination(s)	Quantity Flow (head per annum)	Total Value (USD)	ave. price (USD/head)
Kumasi					
Techiman					
Bolgatanga					
Pô					
Ouagadougou	from Ouahigouya, Djibo, Kaya	to Ghana via Hamale and Paga			
Ouagadougou	from Ouahigouya, Djibo, Kaya	to Abidjan by train	11,250	\$ 585,000	52
Léo	from Ouahigouya, Djibo, Bosse, Tom	to Ghana and CI	29,900	\$ 1,435,200	48
Bama					
Niangoloko					
Banfora					
Orodara					
Bobo Dioulasso					
Gaoua					
Hamale	Burkina	to Ghana	22,500		
Wa					
Bole					
Kumasi					
Ejura					
Tamale					
Fada N'Gourma		50% to Nigeria	40,000		
Fada N'Gourma		50% to Benin and Togo	40,000		
Bittou					
Pouytenga					
Nadiagou					
Parakou					
Malanville					
Ségbana					
Gogounou					
Niklî					
Savé					
Glazoué					
Bohicon					
Abomey					
Cotonou					
Djougou					
Ouaké					
Kétao					
Kara					
Anié					
Atakpamé					
Lome					

4. Guinea Fowl : All Markets by Annual Product Flow and Price Range					
	Origin	Destination(s)	Quantity Flow (MT per annum)	Total Value (USD)	ave. price (bird)
Bolgatanga	Ghana (Upper East, Northern)	to Burkina via Paga	50 full trucks (1 per week)	?	?
Po					
Ouagadougou					
Léo					
Bama					
Niangoloko					
Banfora					
Orodara					
Bobo Dioulasso					
Gaoua					
Hamale					
Wa					
Bole					
Kumasi					
Ejura					
Tamale					
Fada N'Gourma					
Bittou					
Pouytenga					
Nadiagou					
Parakou					
Malanville					
Ségbana					
Gogounou					
Nikki					
Savé					
Glazoué					
Bohicon					
Abomey					
Cotonou					
Djougou					
Ouaké					
Kétau					
Kara					
Anié					
Atakpamé					
Lome					

5. Maize: All Markets by Annual Product Flow and Price Range

	Origin	Destination(s)	Quantity Flow (MT per annum)	Total Value (USD)	ave. price (USD/MT)	price differential	min. price (USD/MT)	max. price (USD/MT)
Kumasi				\$ -	0	0		
Techiman	from GH (mostly Brong Ahafo)		24,000	\$ 11,052,000	461	27	447	474
Techiman	from BF (Bobo and Leo)		4,440	\$ 2,044,620	461	27	447	474
Techiman	from TG (Dapaong)		1,760	\$ 810,480	461	27	447	474
Bolgatanga								
Pô								
Ouagadougou								
Léo	from Techiman, Wenchí and Tumu		350					
Léo		to Wa and Techiman	240					
Bama	from Mali (Dec-jan)	to Bobo and Ouaga	72					
Niangoloko	from CI (Korhogo, Katiola, Ferkessedougou, Bouake, Ouangolo)		2,800	\$ 826,000	295	150	220	370
Banfora	Ivory Coast	BF and ML	4,800	\$ 1,632,000	340	160	260	420
Orodara	from Mali		40	\$ 12,000	300	240	180	420
Orodara		to Mali (Sikasso and Kayes)	600	\$ 180,000	300	240	180	420
Orodara		to Mali (Bamako and Mopti)	600	\$ 180,000	300	240	180	420
Bobo Dioulasso	from CI (Korhogo, Bouake and Abidjan) to Burkina (Bobo)		4800					
Bobo Dioulasso		BF (Bobo) to Mali	2,500					
Bobo Dioulasso	from Bobo (Ets Hadj Tera)	BF (Bobo) to Niger	6,500					
Gaoua		BF to Ghana	100	\$ 28,850	289	133	222	355
Gaoua		BF to CI	500	\$ 144,250	289	133	222	355
Doropo	CI	CI to BF	3,500					
Doropo	BF	BF to CI	30					
Bouna	Ghana	CI	1,250					
Bondoukou	Ghana	CI	1,750					
Hamale								
Wa	Ghana	to Burkina	3,000					
Bole								
Kumasi								
Ejura								
Tamale								
Tamale								
Fada N' Gourma	from Burkina	to Niger	1,500	\$ 427,500	285	70	250	320
Bitou	from Togo (Dapaong)		229	\$ 91,600	400	80	360	440
Bitou	from Ghana (Bawku)		336	\$ 134,400	400	80	360	440
Pouytenga								
Nadiagou	White maize - from Benin	to BF (for Ouagadougou)	2,500	\$ 900,000	360	80	320	400
Nadiagou	Yellow maize (for couscous) - from Burkina	to Niger	3,240	\$ 1,166,400	360	80	320	400
Nadiagou	Yellow maize (for couscous) - from Benin	to Niger	2,400	\$ 864,000	360	80	320	400
Parakou	from Benin (Borgou region, Bori in particular)	to Niger via Malanville	2,000					
Malanville - Phyto.	from Benin	to Niger	40,700	\$ 13,024,000	320	160	240	400
Malanville	from Ghana	to Benin	1,000	\$ 320,000	320	160	240	400
Malanville	from Togo	to Benin	1,500	\$ 480,000	320	160	240	400
Malanville	from Nigeria (Kebbi)	to Benin	250	\$ 80,000	320	160	240	400
Malanville	from Benin	to Niger	70,000	\$ 22,400,000	320	160	240	400
Malanville	from Benin	to Ivory Coast	300	\$ 96,000	320	160	240	400
Ségbana	from Benin	to Nigeria (4 markets)	85,600	\$ 31,672,000	370	340	200	540
Gogounou	from Benin	to Niger via Malanville	6,688					
Nikdi	from Benin	to Niger via Malanville	7,680					
Nikdi	from Benin	to Nigeria	840					
Savé	from Benin	to Niger via Malanville	480	\$ 156,000	325	150	250	400
Glazoué	from Benin	to Niger via Malanville	1,500	\$ 562,500	375	50	350	400
Glazoué	from Benin	to Nigeria	10,000	\$ 3,750,000	375	50	350	400
Bohicon	from Togo	to Benin	1,320	\$ 448,800	340	120	280	400
Bohicon	from Benin	to Niger	1,320	\$ 448,800	340	120	280	400
Bohicon	from Benin	to Nigeria	4,500	\$ 1,530,000	340	120	280	400
Abomey								
Cotonou								
Djougou	local origin	to Cotonou	3,840	\$ 1,228,800	320	160	240	400
Djougou	local origin	to Niger via Malanville	5,760	\$ 1,843,200	320	160	240	400
Ouaké		to Togo	6,000	\$ 2,070,000	345	270	210	480
Kétao		to Benin	30	\$ 12,000	400	160	320	480
Kara		to Benin	5,400					
Anié								
Atakpamé								
Lomé								

6. Sorghum : All Markets by Annual Product Flow and Price Range

	Origin	Destination(s)	Quantity Flow (MT per annum)	Total Value (USD)	ave. price (USD/MT)	price differential	min. price (USD/MT)	max. price (USD/MT)
Kumasi				\$ -	0	0		
Techiman								
Bolgatanga								
Pô	Burkina	Ghana	2,000					
Ouagadougou								
Léo	Léo, Ouahigouya, Ouagadougou	Wa, Techiman and Wenché	120					
Bama								
Niangoloko		to Ivory Coast	1,800					
Banfora								
Orodara	Burkina [some from Mali, this year]	to Mali	1,440	\$ 414,000	288	261	157	418
Bobo Dioulasso	from Mali		90	\$ 27,000	300	120	240	360
Bobo Dioulasso	from Mali	to Niger	2,000	\$ 600,000	300	120	240	360
Gaoua							240	360
Doropo	CI	BF	1,500					
Bouna								
Bondoukou								
Hamale								
Wa								
Bole								
Kumasi								
Ejura								
Tamale								
Bittou	Burkina Faso	to Ghana (Bawku)	564	\$ 225,600	400	80	360	440
Pouytenga								
Fada N'Gourma	Burkina Faso	to Niger	500	\$ 142,500	285	70	250	320
Nadiagou	from Burkina	to Benin	20	\$ 5,600	280	80	240	320
Parakou								
Malanville								
Ségbana	from Benin	to Nigeria (4 markets)	22,400	\$ 8,288,000	370	340	200	540
Gogounou								
Nikki	from Benin	to Nigeria	840					
Nikki	from Benin	to Niger (via Malanville)	840					
Nikki	from Benin	to Togo (Kasouar)	360					
Savé								
Glazoué								
Bohicon								
Abomey								
Cotonou								
Djougou	from Benin	to Niger (via Malanville)	2,250	\$ 1,316,250	585	270	450	720
Djougou	from Benin	to Lomé via Kétao	7,500	\$ 4,387,500	585	270	450	720
Djougou	from Benin	to Ghana	500	\$ 292,500	585	270	450	720
Djougou		Subtotal Djougou	10,250	\$ 5,996,250				
Ouaké		to Togo	6,000	\$ 2,430,000	405	210	300	510
Kétao		to Lama Kara			360	240	240	480
Kara		to Burkina						
Kara		to Benin						
Kara		to Ghana via Banjeli						
Anié								
Atakpamé								
Lomé								

7. Millet : All Markets by Annual Product Flow and Price Range								
	Origin	Destination(s)	Quantity Flow (MT per annum)	Total Value (USD)	ave. price (USD/MT)	price differential	min. price (USD/MT)	max. price (USD/MT)
Kumasi				\$ -	0	0		
Techiman								
Bolgatanga								
Pô								
Ouagadougou	from Niger (Maradi) via Dori	Ouagadougou	1,000	\$ 600,000	600			
Léo		to GH (Wa only)	750	\$ 412,500	550			
Bama								
Niangoloko								
Banfora	from BF and ML to CI		90	\$ 49,500	550	500	300	800
Orodara		to CI (Abidjan by train)	600	\$ 330,000	550	500	300	800
Orodara		to ML (month of Ramadan)	30	\$ 16,500	550	500	300	800
Bobo Dioulasso	from Mali	to Burkina	1,200					
Bobo Dioulasso	BF (Bobo)	to CI (Bouake, Abidjan)	50					
Bobo Dioulasso		to Niger	1,200					
Gaoua	from CI	to BF	80	\$ 29,600	370	100	320	420
Gaoua		to CI	500	\$ 185,000	370	100	320	420
Gaoua		to Ghana	200	\$ 74,000	370	100	320	420
Hamale								
Wa	from BF		700					
Wa								
Bole								
Kumasi								
Ejura								
Tamale								
Tamale								
Fada N'Gourma	from BF	from BF	1,000	\$ 320,000	320	40	300	340
Bittou								
Pouytenga								
Fada N'Gourma								
Nadiagou								
Parakou								
Malanville								
Ségbana								
Gogounou								
Nikki								
Savé								
Glazoué								
Bohicon								
Abomey								
Cotonou								
Djougou								
Ouaké		to Togo	6,000	\$ 3,060,000	510	180	420	600
Kétau		to Ghana					360	720
Kara		to Burkina	2,200					
Kara		to Benin	1,400					
Kara		to Ghana	800					
Anié								
Atakpamé								
Lome								

8. Fonio : All Markets by Annual Product Flow and Price Range								
	Origin	Destination(s)	Quantity Flow (MT per annum)	Total Value (USD)	ave. price (USD/MT)	price differential	min. price (USD/MT)	max. price (USD/MT)
Kumasi				\$ -	0	0		
Techiman								
Bolgatanga								
Pô								
Ouagadougou								
Léo								
Bama								
Niangoloko								
Banfora								
Orodara	Burkina	from BF to ML	340	\$ 224,000	\$659	300	500	800
Bobo Dioulasso								
Gaoua								
Hamale								
Wa								
Bole								
Kumasi								
Ejura								
Tamale								
Fada N'Gourma								
Bittou								
Pouytenga								
Nadiagou								
Parakou								
Malanville								
Ségbana								
Gogounou								
Nikki								
Savé								
Glazoué								
Bohicon								
Abomey								
Cotonou								
Djougou								
Ouaké								
Kéto								
Kara								
Anié								
Atakpamé								
Lome								

9. Paddy Rice : All Markets by Annual Product Flow and Price Range

	Origin	Destination(s)	Quantity Flow (MT per annum)	Total Value (USD)	ave. price (USD/MT)	price differential	min. price (USD/MT)	max. price (USD/MT)
Kumasi				\$ -	0	0		
Techiman								
Bolgatanga								
Pô								
Ouagadougou								
Léo								
Bama								
Niangoloko								
Banfora								
Orodara								
Bobo Dioulasso								
Gaoua								
Hamale								
Wa								
Bole								
Kumasi								
Ejura								
Tamale								
Fada N'Gourma								
Bittou								
Pouytenga								
Nadiagou								
Parakou								
Malanville								
Ségbana								
Gogounou								
Nikiki								
Savé	local	to Malanville (rice mill)	2,100	\$ 651,000	310	80	270	350
Savé	local	to Nigeria	120	\$ 37,200	310	80	270	350
Glazoué								
Bohicon								
Abomey								
Cotonou								
Djougou								
Ouaké								
Kétao							320	440
Kara								
Anié								
Atakpamé								
Lome								

10. Milled Rice : All Markets by Annual Product Flow and Price Range								
	Origin	Destination(s)	Quantity Flow (MT per annum)	Total Value (USD)	ave. price (USD/MT)	price differential	min. price (USD/MT)	max. price (USD/MT)
Kumasi				\$ -	0	0		
Techiman								
Bolgatanga								
Pô								
Ouagadougou								
Léo								
Bama								
Niangoloko								
Banfora								
Orodara								
Bobo Dioulasso								
Gaoua								
Hamale								
Wa								
Bole	from CI (Bouna)		150					
Kumasi								
Ejura								
Tamale								
Fada N'Gourma								
Bittou								
Pouytenga								
Nadiagou								
Parakou								
Malanville								
Ségbana								
Gogounou	from Benin	to Niger via Malanville	980					
Nikkl								
Savé	from Benin	to Nigeria	480	\$ 456,000	950	100	900	1000
Glazoué	from Benin	to Nigeria	300	\$ 270,000	900	200	800	1000
Glazoué	from Benin	to Togo	150	\$ 135,000	900	200	800	1000
Bohicon								
Abomey								
Cotonou								
Djougou								
Ouaké								
Kétao		to Benin			1,040	160	960	1,120
Kara								
Anié								
Atakpamé								
Lome								

11. Parboiled Rice : All Markets by Annual Product Flow and Price Range								
	Origin	Destination(s)	Quantity Flow (MT per annum)	Total Value (USD)	ave. price (USD/MT)	price differential	min. price (USD/MT)	max. price (USD/MT)
Kumasi				\$ -	0	0		
Techiman								
Bolgatanga								
Pô								
Ouagadougou								
Léo								
Bama		ML (Koutiala, Segou, Bamako)	1,380					
Niangoloko								
Banfora								
Orodara	from BF (Banzon, Sindo)	to Mali	2,250	\$ 1,485,000	660	120	600	720
Bobo Dioulasso								
Gaoua								
Hamale								
Wa								
Bole								
Kumasi								
Ejura								
Tamale								
Tamale								
Fada N'Gourma								
Bittou								
Pouytenga								
Nadiagou								
Parakou								
Malanville								
Ségbana								
Gogounou								
Nikki								
Savé	from Benin	to Nigeria	250	\$ 275,000	1,100	200	1000	1200
Glazoué								
Bohicon								
Abomey								
Cotonou								
Djougou								
Ouaké								
Kétao								
Kara								
Anié								
Atakpamé								
Lome								

12. Cowpea : All Markets by Annual Product Flow and Price Range

N.B. - may include Pigeon Pea (*Cajanus cajan*) in central Benin and other provenances

	Origin	Destination(s)	Quantity Flow (MT per annum)	Total Value (USD)	ave. price (USD/MT)	price differential	min. price (USD/MT)	max. price (USD/MT)
Kumasi	from Niger (Maradi and Dosso)	Ghana (institutions and markets)	10,880	\$ 98,863,158	\$ 9,430	\$ 3,684	\$ 7,895	\$ 11,579
Kumasi	from Burkina (Dori)	Ghana (institutions and markets)	4,640	\$ 42,231,579	\$ 9,430	\$ 3,684	\$ 7,895	\$ 11,579
Techiman	from Niger (Maradi and Dosso)	Ghana (institutions and markets)	620	\$ 5,735,000	\$ 9,250	\$ 3,500	\$ 7,500	\$ 11,000
Pô	Local production and from Niger	to Ghana via Paga and Léo/Tumu		\$ -	\$ 1,100	\$ 1,000	\$ 600	\$ 1,600
Ouagadougou								
Ouagadougou								
Ouagadougou								
Léo	Ouahigouya, Kaya, Yako	Wa, Wench, Techiman, Kumasi, Sunyani	680	\$ -	\$ -			
Léo								
Bama								
Niangoloko		to CI (Abidjan via Bouake)	750	\$ 472,500	\$ 630	\$ 420	\$ 420	\$ 840
Banfora								
Orodara	Burkina	to CI	440	\$ 396,000	\$ 900	\$ 600	\$ 600	\$ 1,200
Bobo Dioulasso	from Niger		750					
Bobo Dioulasso		to Ghana and CI	1,000					
Gaoua	from CI	to BF (Ouaga)	1,000	\$ 600,000	\$ 600	\$ 600	\$ 300	\$ 900
Doropo	CI	BF	150					
Doropo	BF	CI	20					
Bouna	CI	GH	800					
Bondoukou								
Hamale								
Wa	from BF (Yako, Ouahigouya, Kaya)		350					
Wa								
Bole								
Kumasi - Asoase								
Ejura	from Niger and BF	to Ghana	7,700					
Tamale	from BF (Kaya) via Dakola/Paga		600	\$ 537,000	\$ 895	\$ 316	\$ 737	\$ 1,053
Tamale								
Fada N'Gourma								
Bittou	Kaya, Tienkoro, Pouytenga	to Ghana (Bawku)	148	\$ 125,800	\$ 850	\$ 300	\$ 700	\$ 1,000
Bittou		to Ghana (Techiman)	148	\$ 125,800	\$ 850	\$ 300	\$ 700	\$ 1,000
Bittou		to Ghana (Kumasi)	300	\$ 255,000	\$ 850	\$ 300	\$ 700	\$ 1,000
Bittou		to Ghana (Accra)	354	\$ 300,900	\$ 850	\$ 300	\$ 700	\$ 1,000
Bittou		subtotal	950	\$ 807,500	\$ 850	\$ 300	\$ 700	\$ 1,000
Pouytenga								
Fada N'Gourma	Niger (Niamey)	Burkina	500	\$ 275,000	\$ 550	\$ 100	\$ 500	\$ 600
Nadiagou	from Benin	to BF (for Ouaga, Pouytenga)	2,250	\$ 1,440,000	\$ 640	\$ 320	\$ 480	\$ 800
Parakou								
Malanville - Phyto	Niger (Niamey)	Benin	3,260	\$ 2,608,000	\$ 800	\$ 400	\$ 600	\$ 1,000
Malanville	Niger (Niamey)	Benin	5,762	\$ 4,609,600	\$ 800	\$ 400	\$ 600	\$ 1,000
Malanville		to Togo (via Atakpame)	2,000	\$ 1,600,000	\$ 800	\$ 400	\$ 600	\$ 1,000
Malanville		to Ghana (via Atakpame)	2,000	\$ 1,600,000	\$ 800	\$ 400	\$ 600	\$ 1,000
Ségbana	from Benin	to Nigeria (4 markets)	7,200	\$ 4,320,000	\$ 600	\$ 400	\$ 400	\$ 800
Gogounou								
Nikidi								
Savé								
Glazoué	from Malanville (Niger)		250	\$ 237,500	\$ 950	\$ 200	\$ 850	\$ 1,050
Glazoué		to Nigeria	564	\$ 535,800	\$ 950	\$ 200	\$ 850	\$ 1,050
Bohicon	from Anié (Togo) - Niger origin?		320	\$ 262,400	\$ 820	\$ 40	\$ 800	\$ 840
Abomey								
Cotonou								
Djougou	from Malanville (Niger)	to Cotonou (with local production)	675	\$ 688,500	\$ 1,020	\$ 600	\$ 720	\$ 1,320
Ouaké								
Kétao		to Lome (only)					\$ 960	\$ 1,760
Kara	from Burkina via Senkassé/Dapaong		540					
Kara		to Ghana via Banjelle	160					
Anié								
Atakpamé								
Lome								

* Niamey: \$450-\$540/MT

Dec-Jan only

Dec-Feb
Jun-Sep

14. Soya : All Markets by Annual Product Flow and Price Range								
	Origin	Destination(s)	Quantity Flow (MT per annum)	Total Value (USD)	ave. price (USD/MT)	price differential	min. price (USD/MT)	max. price (USD/MT)
Kumasi				\$ -	0	0		
Techiman								
Bolgatanga								
Pô								
Ouagadougou								
Léo								
Bama								
Niangoloko								
Banfora								
Orodara								
Bobo Dioulasso								
Gaoua								
Hamale								
Wa	Ghana	Burkina	300					
Bole								
Kumasi								
Ejura								
Tamale								
Tamale								
Fada N'Gourma								
Bittou	from Togo (Dapaong)		740	\$ 333,000	450	100	400	500
Bittou	from Ghana (Bawku)		560	\$ 252,000	450	100	400	500
Pouytenga								
Fada N'Gourma								
Nadiagou								
Parakou								
Malanville								
Ségbana	from Benin	to Nigeria	700	\$ 490,000	700	200	600	800
Gogounou								
Nikki	from Benin	to Niger (via Malanville)	5,880					
Nikki	from Benin	to Nigeria (Bagbana)	840					
Nikki	from Benin	to Nigeria (Gure via Chikanda)	1,680					
Savé	from Benin	to Nigeria	1,400	\$ 630,000	450	300	300	600
Glazoué	from Benin	to Nigeria	5,000	\$ 2,875,000	575	250	450	700
Bohicon	from Benin	to Nigeria	320	\$ 192,000	600	400	400	800
Abomey								
Cotonou								
Djougou	from Benin	to Nigeria	400					
Ouaké		to Benin	540	\$ 302,400	560	160	480	640
Kétao								
Kara		to Benin	720					
Anié								
Atakpamé								
Lome								

15. Groundnut : All Markets by Annual Product Flow and Price Range								
	Origin	Destination(s)	Quantity Flow (MT per annum)	Total Value (USD)	ave. price (USD/MT)	price differential	min. price (USD/MT)	max. price (USD/MT)
Niaméy		price reported by Fada N'Gourma			\$ 775	\$ 50	750	800
Pô	15 local markets (decorticated)	to GH (Techiman, Kumasi, Accra)	960	\$ 1,382,400	\$ 1,440	\$ 320	\$ 1,280	\$ 1,600
Ouagadougou								
Ouagadougou								
Ouagadougou								
Léo	Léo and Ouahigouya	Wa and Techiman	320					
Léo								
Bama								
Niangoloko								
Banfora								
Orodara	Burkina (in shell)	to Mali (Sikasso, Faramana, Kori)	750	\$ 79,500	\$ 106	\$ 28	92	120
Bobo Dioulasso								
Gaoua	Burkina (decorticated)	to Ghana (via Doropo)	500	\$ 450,000	\$ 900	\$ 600	600	1200
Hamale								
Wa								
Wa								
Bole								
Kumasi								
Ejura	from Niger and BF	to Ghana	3,300					
Tamale	from BF (Ouaga)	to Ghana	500	\$ 526,500	\$ 1,053			
Tamale								
Fada N'Gourma								
Bittou								
Pouytenga								
Fada N'Gourma	Niger (Niamey)	to Burkina	400	\$ 370,000	\$ 925	\$ 50	\$ 900	\$ 950
Nadiagou								
Parakou								
Malanville								
Ségbana	from Benin	to Nigeria (4 markets)	10,800	\$ 3,553,200	\$ 329	\$ 200	\$ 229	\$ 429
Gogounou								
Nikki								
Savé	from Benin	to Nigeria	20	\$ 42,000	\$ 2,100	\$ 1,000	1600	2,600
Glazoué								
Bohicon								
Abomey								
Cotonou								
Djougou	from Niger (Niamey)		1,920	\$ 1,536,000	\$ 800	\$ 320	640	960
Djougou		to Cotonou	1,920	\$ 1,536,000	\$ 800	\$ 320	640	960
Ouaké		to Togo	6,000	\$ 6,300,000	\$ 1,050	\$ 300	900	1200
Kétao		to Lome only			\$ 1,480	\$ 880	1,040	1,920
Kara								
Anié								
Atakpamé								
Lome								

*Niamey: \$750-800/MT

I6. Bambara Groundnut: All Markets by Annual Product Flow and Price Range								
	Origin	Destination(s)	Quantity Flow (MT per annum)	Total Value (USD)	ave. price (USD/MT)	price differential	min. price (USD/MT)	max. price (USD/MT)
Kumasi	from BF (Bobo)	Ghana (markets)	2,000	\$ 2,316,000	\$ 1,158	\$ 842	\$ 737	\$ 1,579
Kumasi	from GH (Yendi and Wa)	Ghana (markets)	1,000	\$ 1,158,000	\$ 1,158	\$ 842	\$ 737	\$ 1,579
Pô	Local	to Ghana via Paga and Léo/Tumu			\$ 1,750	\$ 500	\$ 1,500	\$ 2,000
Ouagadougou								
Léo	Léo and Ouahigouya	Wa and Techiman	80					
Léo								
Bama								
Niangoloko								
Banfora								
Orodara	Burkina	to Mali ('alone')	240	\$ 120,000	\$ 500	\$ 400	\$ 300	\$ 700
Bobo Dioulasso								
Gaoua								
Hamale								
Wa								
Bole								
Kumasi								
Ejura								
Tamale								
Fada N'Gourma								
Bittou								
Pouytenga								
Nadiagou								
Parakou								
Malanville								
Ségbana								
Gogounou								
Nikki								
Savé								
Glazoué								
Bohicon								
Abomey								
Cotonou								
Djougou								
Ouaké								
Kétao		to Lome			\$ 540	\$ 360	\$ 360	\$ 720
Kara		to Benin	200					
Anié								
Atakpamé								
Lome								

17. Locust Bean (néré) : All Markets by Annual Product Flow and Price Range								
	Origin	Destination(s)	Quantity Flow (MT per annum)	Total Value (USD)	ave. price (USD/MT)	price differential	min. price (USD/MT)	max. price (USD/MT)
Kumasi				\$ -	0	0		
Kumasi				\$ -	0	0		
Kumasi								
Kumasi								
Techiman								
Bolgatanga								
Pô								
Ouagadougou								
Ouagadougou								
Ouagadougou								
Léo								
Léo								
Bama								
Niangoloko								
Banfora								
Orodara								
Bobo Dioulasso								
Gaoua					620	360	440	800
Hamale							Jun-Sep	Dec-Feb
Wa								
Wa								
Bole								
Kumasi								
Ejura								
Tamale	from Ghana (Tamale)	to BF (Ouaga)	120	\$ 78,900	658	263	526	789
Tamale								
Fada N'Gourma								
Bittou								
Pouytenga								
Fada N'Gourma								
Nadiagou								
Parakou								
Malanville								
Ségbana								
Gogounou								
Nilki								
Savé								
Glazoué								
Bohicon	from Ghana	to Nigeria	1,080	\$ 810,000	750	500	500	1000
Abomey								
Cotonou								
Djougou								
Ouaké								
Kétao		to Benin	2,400	\$ 3,072,000	1,280	640	960	1,600
Kara		to Burkina Faso	2,420					
Anié								
Atakpamé								
Lome								

20. Yam (fresh) : All Markets by Annual Product Flow and Price Range								
	Origin	Destination(s)	Quantity Flow (MT per annum)	Total Value (USD)	ave. price (USD/MT)	price differential	min. price (USD/MT)	max. price (USD/MT)
Kumasi				\$ -	0	0		
Techiman								
Bolgatanga								
Pô								
Ouagadougou								
Léo	Techiman		2,750					
Bama								
Niangoloko								
Banfora								
Orodara								
Bobo Dioulasso								
Gaoua								
Hamale								
Wa								
Bole								
Kumasi								
Ejura								
Tamale								
Tamale								
Fada N'Gourma								
Bittou								
Pouytenga								
Fada N'Gourma								
Nadiagou								
Parakou								
Malanville - Phyto	from Benin	to Niger	8,150					
Malanville			200					
Ségbana	from Benin	to Nigeria (4 markets)	44,800	\$ 8,624,000	193	43	171	214
Gogounou								
Nikki	from Benin	to Niger (via Malanville)	840					
Savé	from Benin	to Nigeria	2,100				50	70
Glazoué	from Benin	to Nigeria	1,250					
Bohicon								
Abomey								
Cotonou								
Djougou	from Benin	to Cotonou	5,000					
Djougou	from Benin	to BF (Fada N'Gourma)	3,000					
Djougou	from Benin	to Niger (via Malanville)	2,000					
Ouaké	from Benin	to Togo	6,000					
Kétao								
Kara								
Anié								
Atakpamé								
Lome								

21. Cassava (fresh) : All Markets by Annual Product Flow and Price Range								
	Origin	Destination(s)	Quantity Flow (MT per annum)	Total Value (USD)	ave. price (USD/MT)	price differential	min. price (USD/MT)	max. price (USD/MT)
Kumasi				\$ -	0	0		
Techiman								
Bolgatanga								
Pô								
Ouagadougou								
Léo								
Bama								
Niangoloko								
Banfora								
Orodara								
Bobo Dioulasso								
Gaoua								
Hamale								
Wa								
Bole								
Kumasi								
Ejura								
Tamale								
Fada N'Gourma								
Bittou								
Pouytenga								
Nadiagou								
Parakou								
Malanville								
Ségbana								
Gogounou								
Nikki								
Savé	from Benin	to Nigeria (Bida)	4,000					
Glazoué								
Bohicon								
Abomey								
Cotonou								
Djougou								
Ouaké								
Kétao								
Kara								
Anié								
Atakpamé								
Lome								

22. Cassava Chips (cossettes de manioc) : All Markets by Annual Product Flow and Price Range								
	Origin	Destination(s)	Quantity Flow (MT per annum)	Total Value (USD)	ave. price (USD/MT)	price differential	min. price (USD/MT)	max. price (USD/MT)
Kumasi				\$ -	0	0		
Techiman								
Bolgatanga								
Pô								
Ouagadougou								
Léo								
Bama								
Niangoloko								
Banfora								
Orodara								
Bobo Dioulasso								
Gaoua								
Hamale								
Wa								
Bole								
Kumasi								
Ejura								
Tamale								
Fada N'Gourma								
Bittou								
Pouytenga								
Nadiagou								
Parakou								
Malanville								
Ségbana	from Benin	to Nigeria	5,400					
Gogounou								
Nikki								
Savé								
Glazoué								
Bohicon								
Abomey								
Cotonou								
Djougou								
Ouaké								
Kétao								
Kara								
Anié								
Atakpamé								
Lome								

23. Yam Chips (cossettes d'igname) : All Markets by Annual Product Flow and Price Range								
	Origin	Destination(s)	Quantity Flow (MT per annum)	Total Value (USD)	ave. price (USD/MT)	price differential	min. price (USD/MT)	max. price (USD/MT)
Kumasi				\$ -	0	0		
Techiman								
Bolgatanga								
Pô								
Ouagadougou								
Léo								
Bama								
Niangoloko								
Banfora								
Orodara								
Bobo Dioulasso								
Gaoua								
Hamale								
Wa								
Bole								
Kumasi								
Ejura								
Tamale								
Fada N'Gourma								
Bittou								
Pouytenga								
Nadiagou								
Parakou								
Malanville								
Ségbana								
Gogounou								
Nikki	from Benin	to Nigeria (Gure via Chikanda)	840					
Savé								
Glazoué	from Benin	to Nigeria	1,500	\$ 300,000	200	100	150	250
Bohicon								
Abomey								
Cotonou								
Djougou								
Ouaké								
Kétao								
Kara								
Anié								
Atakpamé								
Lome								

24. Gari (fermented cassava flour) : All Markets by Annual Product Flow and Price Range

	Origin	Destination(s)	Quantity Flow (MT per annum)	Total Value (USD)	ave. price (USD/MT)	price differential	min. price (USD/MT)	max. price (USD/MT)
Kumasi				\$ -	0	0		
Techiman								
Bolgatanga								
Pô								
Ouagadougou								
Léo								
Bama								
Niangoloko								
Banfora								
Orodara								
Bobo Dioulasso								
Gaoua								
Hamale								
Wa								
Bole								
Kumasi								
Ejura								
Tamale								
Fada N'Gourma								
Bittou								
Pouytenga								
Nadiagou								
Parakou								
Malanville - Phyto	from Benin	to Niger	11,700	\$ 3,276,000	280	160	200	360
Malanville	from Benin (Savalou, Bohicon, Bante, Ouesse)	to Niger	7,680	\$ 2,150,400	280	160	200	360
Ségbana								
Gogounou								
Nikkl	from Benin	to Niger (via Malanville)	840					
Savé								
Glazoué	from Benin	to Nigeria	1,000	\$ 500,000	500	200	400	600
Bohicon								
Abomey								
Cotonou								
Djougou								
Ouaké								
Kétao								
Kara		to Benin	2,000					
Anié								
Atakpamé								
Lome								

26. Onion: All Markets by Annual Product Flow and Price Range								
	Origin	Destination(s)	Quantity Flow (MT per annum)	Total Value (USD)	ave. price (USD/MT)	price differential	min. price (USD/MT)	max. price (USD/MT)
Kumasi	from GH (Bawku, Agogo, Koforidua)	Ghana (markets)	475	\$ 1,318,600	2,776	216	2,668	2,884
Kumasi	from Niger (Galmi and Agadez)	Ghana (markets)	700	\$ 1,943,200	2,776	216	2,668	2,884
Techiman	from Niger (Galmi and Agadez)	Ghana (markets)	390	\$ 994,500	2,550	300	2400	2700
Techiman	from Burkina	Ghana (markets)	230	\$ 586,500	2,550	300	2400	2700
Bolgatanga								
Po								
Ouagadougou								
Léo								
Bama								
Niangoloko								
Banfora								
Orodara								
Bobo Dioulasso	from Niger	Bobo to Ghana (via Hamale)	360					
Gaoua								
Hamale								
Wa	from BF (Yako, Ouahigouya, Koudougou)	[if 50 kg per bag]	75					
Bole								
Kumasi								
Ejura								
Tamale								
Tamale								
Fada N'Gourma								
Bittou								
Pouytenga								
Fada N'Gourma								
Nadiagou								
Parakou								
Malanville	from Benin (Malanville)	to CI	500	\$ 288,750	578	385	385	770
Malanville	from Agadez (Nov-Dec)	to Benin	4,600	\$ 2,656,500	578	385	385	770
Malanville	from Galmi (Madaoua, Arewa, Daoua)	to Benin	10,500	\$ 6,063,750	578	385	385	770
Ségbana								
Gogounou								
Nikiki								
Savé								
Glazoué								
Bohicon								
Abomey								
Cotonou								
Djougou								
Ouaké								
Kétao								
Kara								
Anié								
Atakpamé								
Lome								

27. Tomato : All Markets by Annual Product Flow and Price Range								
	Origin	Destination(s)	Quantity Flow (MT per annum)	Total Value (USD)	ave. price (USD/MT)	price differential	min. price (USD/MT)	max. price (USD/MT)
Kumasi	from BF (Bobo)	Ghana (markets)	2,000	\$ 2,316,000	\$ 1,158	\$ 842	\$ 737	\$ 1,579
Kumasi	from GH (Yendi and Wa)	Ghana (markets)	1,000	\$ 1,158,000	\$ 1,158	\$ 842	\$ 737	\$ 1,579
Techiman								
Bolgatanga	from BF (Bobo)	Ghana (markets)	224	\$ 396,704	\$ 1,771	\$ 506	\$ 1,518	\$ 2,024
Pô								
Ouagadougou								
Léo								
Bama								
Niangoloko								
Banfora								
Orodara								
Bobo Dioulasso								
Gaoua								
Hamale								
Wa								
Bole								
Kumasi								
Ejura								
Tamale								
Fada N'Gourma								
Bittou								
Pouytenga								
Nadiagou								
Parakou								
Malanville								
Ségbana								
Gogounou								
Nikki								
Savé								
Glazoué								
Bohicon								
Abomey								
Cotonou								
Djougou								
Ouaké								
Kétau								
Kara								
Anié								
Atakpamé								
Lome								

31. Hibiscus sabdariffa (bissap) : All Markets by Annual Product Flow and Price Range								
	Origin	Destination(s)	Quantity Flow (MT per annum)	Total Value (USD)	ave. price (USD/MT)	price differential	min. price (USD/MT)	max. price (USD/MT)
Kumasi				\$ -	0	0		
Techiman								
Bolgatanga								
Pô								
Ouagadougou								
Léo								
Bama								
Niangoloko								
Banfora								
Orodara	from CI via Bobo	export to US and EU (Germany)	18					
Orodara	from Mali	export to US and EU (Germany)	35					
Bobo Dioulasso								
Gaoua								
Hamale								
Wa								
Wa								
Bole								
Kumasi								
Ejura								
Tamale								
Fada N'Gourma								
Bittou								
Pouytenga								
Nadiagou								
Parakou								
Malanville								
Ségbana								
Gogounou								
Nikklí								
Savé								
Glazoué								
Bohicon								
Abomey								
Cotonou								
Djougou								
Ouaké								
Kétao								
Kara								
Anié								
Atakpamé								

32. Sesame : All Markets by Annual Product Flow and Price Range								
	Origin	Destination(s)	Quantity Flow (MT per annum)	Total Value (USD)	ave. price (USD/MT)	price differential	min. price (USD/MT)	max. price (USD/MT)
Kumasi				\$ -	0	0		
Techiman								
Bolgatanga								
Pô								
Ouagadougou								
Léo								
Bama								
Niangoloko								
Banfora								
Orodara	Mali	export via Burkina	600					
Bobo Dioulasso								
Gaoua								
Hamale								
Wa								
Wa								
Bole								
Kumasi								
Ejura								
Tamale								
Tamale								
Fada N'Gourma								
Bittou								
Pouytenga								
Nadiagou								
Parakou								
Malanville								
Ségbana								
Gogounou								
Nikki								
Savé								
Glazoué								
Bohicon								
Abomey								
Cotonou								
Djougou								
Ouaké								
Kéto								
Kara								
Anié								
Atakpamé								
Lome								

33. Cashew (raw in shell) : All Markets by Annual Product Flow and Price Range								
	Origin	Destination(s)	Quantity Flow (MT per annum)	Total Value (USD)	ave. price (USD/MT)	price differential	min. price (USD/MT)	max. price (USD/MT)
Kumasi				\$ -	0	0		
Techiman								
Bolgatanga								
Pô								
Ouagadougou								
Léo								
Bama								
Niangoloko								
Banfora								
Orodara	from Mali	export to US and EU (Germany)	5,400	\$ 2,700,000	500	500	250	750
Bobo Dioulasso								
Gaoua								
Doropo								
Bouna	CI	GH	3,200					
Bondoukou	CI	GH	6,000					
Hamale								
Wa	from BF		1100					
Bole								
Kumasi								
Ejura								
Tamale								
Fada N'Gourma								
Bittou								
Pouytenga								
Fada N'Gourma								
Nadiagou								
Parakou								
Malanville								
Ségbana								
Gogounou								
Nikki								
Savé								
Glazoué	from Nigeria		2,000				500	700
Bohicon								
Abomey								
Cotonou								
Djougou								
Ouaké								
Kétao								
Kara								
Anié								
Atakpamé								
Lome								

34. Shea Kernel : All Markets by Annual Product Flow and Price Range								
	Origin	Destination(s)	Quantity Flow (MT per annum)	Total Value (USD)	ave. price (USD/MT)	price differential	min. price (USD/MT)	max. price (USD/MT)
Kumasi				\$ -	0	0		
Techiman								
Bolgatanga								
Pô								
Ouagadougou (AV)	Burkina, Mali and Cote d'Ivoire	Export via Ghana	100,000					
Ouagadougou								
Léo	Léo and Ouagadougou	GH (Tema via Paga)	2,400					
Bama								
Niangoloko	from Ivory Coast		1,120					
Banfora								
Orodara								
Bobo Dioulasso								
Gaoua								
Doropo								
Bouna	CI	BF	2,000					
Bondoukou	CI	BF	500					
Hamale								
Wa	from BF (Ouaga) via Hamale		200					
Wa	from BF (Bobo) via Batie		200					
Bole								
Kumasi								
Ejura								
Tamale								
Fada N'Gourma								
Bittou								
Pouytenga								
Nadiagou								
Parakou								
Malanville								
Ségbana	from Nigeria	to Benin	3,600					
Gogounou								
Nikki								
Savé								
Glazoué								
Bohicon								
Abomey								
Cotonou								
Djougou								
Ouaké								
Kétau								
Kara								
Anié								
Atakpamé								
Lome								

Annex 2 : Market Points and Contacts of Respondents

2.1 All Markets Studied, by Dates of Interviews

<u>Notes</u>	<u>Market / Data Point</u>	<u>date</u>
1	Kumasi - Kejietia	9/10/2012
2	Kumasi - Livestock	9/10/2012
3	Techiman - Cereals	10/10/2012
4	Bolgatanga	11/10/2012
5	Pô - Cereals	11/10/2012
6	Ouagadougou (Adja Velegda)	11/10/2012
7	Ouagadougou - Livestock	12/10/2012
8	Ouagadougou (CICB)	12/10/2012
9	Léo - Cereals	13/10/2012
10	Léo - Livestock	13/10/2012
11	Bama - Cereals	10/14/2012
12	Niangoloko - Cereals	15/10/2012
13	Banfora - Cereals	15/10/2012
14	Orodara - Cereals	16/10/2012
15	Orodara - Livestock	16/10/2012
16	Bobo Dioulasso - Cereals	16/10/2012
17	Bobo Dioulasso - Livestock (Train)	17/10/2012
18	Gaoua - Cereals	17/10/2012
19	Hamale - Livestock	17/10/2012
20	Wa - Livestock	18/10/2012
21	Wa - Cereals	18/10/2012
22	Bole - Cereals	18/10/2012
23	Kumasi - Asoase (Cereals)	19/10/2012
24	Ejura - Cereals	19/10/2012
25	Tamale - Cereals (Ababu)	20/10/2012
XX	Tamale - Shishao (Livestock)	20/10/2012
26	Fada N'Gourma - Livestock	21/10/2012
27	Bittou - Cereals	22/10/2012
28	Pouytenga - Livestock	22/10/2012
29	Fada N'Gourma - Cereals	23/10/2012
30	Nadiagou - Cereals	23/10/2012
31	Parakou - Chambre d'Agriculture	24/10/2012

31	Parakou - Arzeke (Cereals)	24/10/2012
32	Parakou - Livestock I (Gema)	24/10/2012
32	Parakou - Livestock 2 (Turu)	24/10/2012
33	Malanville - Phytosanitary	25/10/2012
34	Malanville - Cereals	25-26/10/2012
35	Malanville - Onion	26/10/2012
36	Ségbana - Cereals	27/10/2012
37	Ségbana - Livestock	27/10/2012
38	Gogounou - Livestock	27/10/2012
39	Petit Partis (Sorri) - Livestock	27/10/2012
40	Gogounou - Cereals	27/10/2012
41	Nikki - Cereals	28/10/2012
42	Nikki- Livestock	28/10/2012
43	Savé - Cereals and Livestock	28/10/2012
44	Glazoué - Cereals	29/10/2012
45	Bohicon - Cereals	29/10/2012
XX	Abomey	29/10/2012
46	Cotonou - Cereals	30/10/2012
47	Cotonou - Onion	30/10/2012
48	Djougou - Cereals	31/10/2012
49	Ouaké - Cereals	31/10/2012
50	Kétau - Cereals	31/10/2012
51	Lama Kara - Cereals	31/10/2012
52	Anié - Cereals	01/11/2012
53	Atakpamé	01/11/2012
54	Lome - Cereals	3/11/2012
55	Lome - Onion	3/11/2012
56	Kantchari - Cereals and Onion	10/24/2012
57	Batié - Livestock Market	10/30/2012
58	Kampti - Livestock Market	10/31/2012
59	Doropo - Cereals	1/11/2012
60	Bouna - Cereals	1/11/2012
61	Bondoukou	3/11/2012
62	Dormea-Ahenkro - Eggs	3/11/2012

2.2 All Respondent Contacts, by Market Point / Location

No.	Date / Market No.	Name	Organization	Tel
	GHANA	KUMASI		
1	GH 1	Kumasi - Abattoir		
	9/10/2012	Moro Abubakar Fuseini	Ghana National Livestock Breeders and Traders Association	cel. +233 208 323175/242 612240/262612240 banbanwituo@yahoo.com
2	GH 2	Kumasi - Kejetia Market		
	9/10/2012	Ali Issaka	Member	(+233) 246767847
	9/10/2012	Idrissu Sualisu	Member	(+233) 244368009 kingsualisu@yahoo.com
	GHANA	TECHIMAN		
3	GH 3	Techiman - Cereals Market		
	10/10/2012	Mohamed Abulai	Chairman	(+233) 246459259
	10/10/2012	Yeboah Obiri	Secretary	(+233) 245605610
	10/10/2012	Stephen Coffie	Member	(+233) 277430945
	10/10/2012	Kwabeng Manu	Member	(+233) 244781714
	10/10/2012	Moro Kayibu	Member	(+233) 207281479
	10/10/2012	Kwaku Abubakari	Member	
	10/10/2012	Op Awudu	Member	(+233) 571296922
	10/10/2012	Lola Adopaka	Cow pea trader	(+233) 208166008
	10/10/2012	Hadia Hasia	Cow pea trader	(+233) 261102203
	GHANA	BOLGATANGA		
4	GH 4	Bolgatanga		
	11/10/2012	Latifa	MIS numerator	(+233) 267763000/208298608
	BURKINA	PO		
5	BF 1			
	11/10/2012	Malick Tientembou	Transitaire	(+226) 70650827/79110579
	11/10/2012	Tassembedo Tessere	Chairman of whole	
	11/10/2012	Kouanda Salif	Trader Importer/Exporter	(00226) 76756152
	11/10/2012	Sana Adama	Trader Importer/Exporter	(00226) 70745489
	11/10/2012	Kouanda Harouna	Trader Importer/Exporter	(00226) 78085664

	BURKINA	OUAGADOUGOU		
6	BF 2	Ouagadougou - Cereals Market		
	11/10/2012	Adja Mamounata B. VELEGDA	Trader Importer/Exporter	(+226) 70207250/78207250 velegda@fasonet.bf; www.bm-velegda.com
7	BF 3	Ouagadougou - Livestock Market		
	12/10/2012	Sanou Soumaila	Président du CIC-B	+226 70 33 40 94
	12/10/2012	Kaboré boukaré	Commerçant de bétails	+226 70 22 19 29
	12/10/2012	Nombré Dominique	Commerçant de bétails	+226 70 22 12 37
	12/10/2012	Compaoré Adama	Commerçant de bétails	+226 70 25 88 11
	12/10/2012	Hamado	Commerçant de bétails	+226 70 24 77 28
	12/10/2012	Bouéna	Commerçant de bétails	+ 226 78 81 79 23
	12/10/2012	Passoulé Harouna	Commerçant de bétails	+ 226 78 85 57 20
	12/10/2012	Sawadogo Mahamadou	Commerçant de bétails	+ 226 78 24 09 39
	12/10/2012	Traoré Tiomba	Commerçant de bétails	+ 226 76 69 38 20
	12/10/2012	Zoungrana Hamidou	Commerçant de bétails	+ 226 76 25 70 60
	12/10/2012	Ouattara Moussa	Commerçant de bétails	+ 226 70 15 22 80
	BURKINA	LEO		
8	BF 4	Léo - Cereals Market		
	13/10/2012	Nacro Aboubacar	Membre CIC-B	+226 70 67 64 84
	13/10/2012	Tiendrebéogo Albert	Membre CIC-B	+226 70 33 41 05
	13/10/2012	Compaoré Inoussa	Commerçant de céréales	+226 70 40 79 63
	13/10/2012	Yaméogo Karim	Commerçant de céréales	+226 79 01 31 59
	13/10/2012	Tiendrebéogo Albert	Commerçant de céréales	+226 70 33 41 05
	13/10/2012	Ouédraogo Joel	Commerçant de céréales	+226 76 77 99 60
	13/10/2012	Zoungrana Saydou	Commerçant de céréales	+226 78 60 86 14
	13/10/2012	Tiendrebéogo Seyni	Commerçant de céréales	+226 74 26 62 13
	13/10/2012	Tiendrbéogo Alassane	Commerçant de céréales	+226 75 12 78 19

9	BF 5	Léo - Livestock Market		
	13/10/2012	Diallo Bello	Commerçant de bétails	+226 77 07 05 76
	13/10/2012	Sankara moussa	Commerçant de bétails	
	13/10/2012	Kouanda Issa	Commerçant de bétails	
	13/10/2012	Diasso elysée	Commerçant de bétails	+226 74 44 63 33
	13/10/2012	Nignan Alassane	Commerçant de bétails	+226 70 44 90 11
	13/10/2012	Dicko Ousmane	Commerçant de bétails	+226 70 66 67 76
	13/10/2012	Kounteus Ali	Commerçant de bétails	+226 76 33 34 61
	13/10/2012	Nignan Soulemané	Commerçant de bétails	+226 76 06 37 67
	13/10/2012	Diallo Moré	Commerçant de bétails	+226 76 53 98 12
	13/10/2012	Bocay Boureima	Commerçant de bétails	
	13/10/2012	Dicko Hamidou	Commerçant de bétails	
	13/10/2012	Banolé Idrissa	Commerçant de bétails	
	13/10/2012	Barry Abdoulaye	Commerçant de bétails	+226 70 45 80 69
	13/10/2012	Diallo Gourounga	Commerçant de bétails	+226 66 67 52 62
	13/10/2012	Barry mouyane	Commerçant de bétails	
	13/10/2012	Barry Hassane	Commerçant de bétails	+226 66 53 89 93
	13/10/2012	Sanfo Moumouni	Commerçant de bétails	+226 76 44 87 91
	13/10/2012	Barry Issaka	Commerçant de bétails	
	13/10/2012	Barry Djouldé	Commerçant de bétails	+226 70 41 62 15
	13/10/2012	Barry Hamadou	Commerçant de bétails	+226 70 98 91 65
	13/10/2012	Barry Hamadou	Commerçant de bétails	+226 71 51 15 22
	13/10/2012	Diallo Ali	Commerçant de bétails	
	13/10/2012	Diallo idrissa	Commerçant de bétails	
	BURKINA	BAMA		
10	BF 6	Bama - Cereals Market		
	14/10/2012	Sawadogo Mariam	Présidente UGRB Bobo	+226 76 89 50 31
	14/10/2012	Ouédraogo Mahamadi	Membre UGRB Bobo	+226 76 11 85 80
	10/14/2012	Sawadogo Drissa	Commerçant de céréales	
	10/14/2012	Diallo Oumar	Broker	+226 74 46 68 42

	BURKINA	NIANGOLOKO		
11	BF 7	Niangoloko - Cereals Market		
	15/10/2012	Fayama	Membre CIC-B	+226 71 76 59 96
	15/10/2012	Sié Soma	Membre CIC-B	+226 70 10 22 91
	15/10/2012	Traoré Sibiri	Commerçant de céréales	+226 70 23 00 65
	BURKINA	BANFORA		
12	BF 8	Banfora - Cereals Market		
	15/10/2012	Traoré Tiékoura	Data collection; Membre CIC-B	226 70 33 40 97
	15/10/2012	Traoré Amadoum	Data collection; Membre CIC-B	226 70 27 76 28
	BURKINA	ORODARA		
13	BF 9	Orodara - Cereals Market		
	16/10/2012	Barro Dramane	Membre CIC-B	+226 70 75 83 17
	16/10/2012	Sanogo Mamadou	Membre CIC-B	+226 70 33 41 10
	16/10/2012	Sanogo Boureima	Commerçant de céréales	+226 70 71 71 93
	16/10/2012	Traoré Seydou	Commerçant de céréales	+226 76 75 08 00
	16/10/2012	Sanogo Amidou	Commerçant de céréales	+226 78 00 66 98
	16/10/2012	Barro Lassina	Commerçant de céréales	+226 78 08 67 05
14	BF 10	Orodara - Livestock Market		
	16/10/2012	Traoré Zoumana	Commerçant de bétails	+226 76 66 36 68
	BURKINA	BOBO-DIOULASSO		
15	BF 11	Bobo Dioulasso - Cereals Market		
	16/10/2012	Maïga Halidou	Commerçant de céréales	+226 76 60 78 84
	16/10/2012	Bassinga Abdramane	Commerçant de céréales	+226 76 66 05 06
	16/10/2012	El-Adji Terra	Commerçant de céréales	
16	BF 12	Bobo Dioulasso - Livestock (Station)		
	17/10/2012	Sawadogo Noufou	Membre COFENAVE-BI	+226 70 15 83 99
	17/10/2012	Coulibaly Yacouba	Chargeur de bétail à SITARAIL	+226 78 81 81 88
	17/10/2012	Korbéogo Issaka	Commerçant de bétails	
	17/10/2012	Ouédraogo seydou	Commerçant de bétails	

	BURKINA	GAOUA		
17	BF 13	Gaoua - Cereals Market		
	17/10/2012	SIE Kondepté	Membre CIC-B	+226 70 30 40 39
	17/10/2012	Sawadogo Boukari	Président des Commerçants de céréales de Gaoua	+226 70 96 66 35
	17/10/2012	Ouédraogo Salifou	Commerçant de céréales	+226 76 49 45 11
	BURKINA	HAMELE		
18	BF 14	Hamele - Livestock Market		
	17/10/2012	Sawadogo Moctard	Commerçant de bétails	+226 76 44 78 10
	17/10/2012	Traoré Noufou	Commerçant de bétails	+226 76 08 19 44
	17/10/2012	Sankara Zakaria	Commerçant de bétails	+226 76 16 38 73
	17/10/2012	Ouédraogo moctar	Commerçant de bétails	+226 75 70 36 24
	17/10/2012	Raboo Razak	Commerçant de bétails	+226 75 03 75 46
	GHANA	WA		
19	GH 5	Wa - Livestock Market		
	18/10/2012	Ibrahim Idriss	Commerçant de bétails	+233 244813625
	18/10/2012	Idrissa Seydou	Commerçant de bétails	+233 243641540
	18/10/2012	Salifu Akim	Commerçant de bétails	+223 206596641
	18/10/2012	Abdu Karim	Commerçant de bétails	+233 540363353
	18/10/2012	Issaku Adama	Commerçant de bétails	+233 248277926
	18/10/2012	Mohamed Banwa	Commerçant de bétails	+233 249234388
	18/10/2012	Ousmane Sawadogo	Commerçant de bétails	+233 243835266
	18/10/2012	Souleymane Oumarou	Commerçant de bétails	+233 208941640
20	GH 6	Wa - Cereals Market		
	18/10/2012	JAFAR Yakubu	Commerçant de céréales	+233 261700844
	18/10/2012	Adja Adissatou	Commerçante de céréales	+233 248318402
	18/10/2012	Adja Abibata	Commerçante de céréales	+233 207880736
	18/10/2012	YAYA Idrissu	ESSOKO	+233 247433002
	GHANA	BOLE		
21	GH 7	Bole - Cereals Market		
	18/10/2012	Trader 1	Commerçante de céréales	
	18/10/2012	Trader 2	Commerçante de céréales	

	GHANA	KUMASI		
22	GH 8	Kumasi - Asoase Cereals Market		
	19/10/2012	Mr.KOKU	ESSOKO	+233 244288445
	19/10/2012	Abdul Rahamani	Commerçant de céréales	+233 244197148
	GHANA	EJURA		
23	GH 9	Ejura - Cereals Market		
	19/10/2012	Evans Peter Nsiah	PENS FOOD BANK ENT.	+233 243475146
	GHANA	TAMALE		
24	GH 10	Tamale - Ababu Cereals Market		
	20/10/2012	Adja Adjara	Commerçante de céréales	+233 244938357
25	GH 11	Tamale - Shishao Livestock Market		
	20/10/2012	Unreceptive Crowd	No Contacts	
	BURKINA	FADA N'GOURMA		
26	BF 15	Fada N'Gourma - Livestock Market		
	21/10/2012	Traoré Abdul Karim	SG du marché de bétail; Membre COFENABVI	+226 70 71 82 02
	21/10/2012	Zoringré Brahima	Data Collection Assistant, ATP/USAID	+226 78 85 30 30
	BURKINA	BITTOU		
27	BF 16	Bittou - Cereals Market		
	22/10/2012	SEONE Bassirou	Data collection; Membre CIC-B	+226 71 76 59 90
	22/10/2012	Zampaligré Karim	Data collection; Membre CIC-B	+226 70 98 45 26
	22/10/2012	Soré Yacouba	Commerçant de céréales	+226 17 55 50
	22/10/2012	Diallo Mahamadou	Commerçant de céréales	
	22/10/2012	Kaboré Seydou	Commerçant de céréales	
	22/10/2012	Marane Issaka	Commerçant de céréales	+226 70 51 48 37
	22/10/2012	Zampalegré Harouna	Commerçant de céréales	+226 74 14 42 82
	22/10/2012	Niangane Azaratou	Commerçante de céréales	
	22/10/2012	Zampalegré Seydou	Commerçant de céréales	+226 77 13 39 45
	22/10/2012	Saré Adama	Commerçant de céréales	
	22/10/2012	Yamboné Zenabou	Commerçante de céréales	
	22/10/2012	Lankoandé Awa	Commerçante de céréales	
	22/10/2012	Lingani Djeneba	Commerçante de céréales	
	22/10/2012	GnéGné Awa	Commerçante de céréales	
	22/10/2012	Sanga Damata	Commerçante de céréales	
	22/10/2012	Saré Harouna	Commerçant de céréales	+226 70 77 29 03
	22/10/2012	Sioné Bassirou	Commerçant de céréales	+226 71 76 59 90
	22/10/2012	Zampaligré Z Karim	Commerçant de céréales	+226 70 98 45 26
	22/10/2012	Sanané Issa	Commerçant de céréales	+226 70 83 49 36

	BURKINA	POUYTENGA		
28	BF 17	Pouytenga - Cattle Market		
	22/10/2012	Zoungana Georges	Membre COFENABVI	+226 70 33 40 90
	22/10/2012	Djedi Issa	Commerçant; Membre COFENABVI	
	22/10/2012	Korogho Arouna	Commerçant de bétail	
	22/10/2012	Bayiri Boukari	Commerçant de bétail	
	22/10/2012	El adji barri Amadou	Commerçant; Membre COFENABVI	
	22/10/2012	El adji balma rasmané	Commerçant; Membre COFENABVI	
	22/10/2012	Korogho souleymani	Commerçant de bétail	
	22/10/2012	Kabore Salam	Commerçant; Membre COFENABVI	
	BURKINA	FADA N'GOURMA		
29	BF 18	Fada N'Gourma - Cereals Market		
	23/10/2012	Thiombiano Odette	Data collection; Membre CIC-B	+226 70 30 25 79
	23/10/2012	Kinda Adiaratou	Data collection; Membre CIC-B	+226 71 13 76 09
	23/10/2012	El Adjii Kampo	Commerçant de céréales	+226 70 18 82 74
	23/10/2012	Mme.Adjara Adissa	Commerçante de céréales	+226 70 40 82 79
	BURKINA	NADIAGOU		
31	BF 19	Nadiagou - Cereals Market		
	23/10/2012	Onadja B. Hippolyte	agent	+229 70 48 27 30
	23/10/2012	Thiombiano Tadia	agent	+229 73 26 84 17
	23/10/2012	Sawadogo Abdouramane	commerçant	+229 70 98 73 09, +229 78 70 88 52
	23/10/2012	Sawadogo Aklasse	commerçant	+229 71 06 60 99

	BENIN	PARAKOU		
32	BN 1	Parakou - Chambre d'Agriculture		
	24/10/2012	ZOUMAROC. KARI	transport	97447956
	24/10/2012	Kinoil Seibou	transport	96019027
	24/10/2012	Kazamba Ali	conducteur	97870309
	24/10/2012			97115192
	24/10/2012	Issiffols Rafatou		
	24/10/2012	Idrissou Nawatou	commercante	97585855
	24/10/2012	Ajidoje Jeane	commercante	97883533
	24/10/2012	Nazo Gamiau	Boucher	97117653
	24/10/2012	Lafia Agdaou	transporteur	97438027
	24/10/2012	Alou Chabi	commercante	
	24/10/2012	Amouda Mamoudou	operateur-economique	9744168
	24/10/2012	Garadima Mama. Jmorou	Boucher	94461046
	24/10/2012	Abdoulaye H	Boucher-Eleveur	97898118
	24/10/2012	Idrissou Haidarous	Boucher	96797341
	24/10/2012	Idrissou Hadarou	Boucher	66256049
	24/10/2012	Orou Boum Abdoulaye	Boucher	95038160
	24/10/2012	Baukavi Yaya		97135048
	24/10/2012	Hakibou Marouane	commerce frasper	94508276
	24/10/2012	Jingui Issifou S	m. transporteur	97760675
	24/10/2012	Sanani Latifau B	Boucher	97948313
	24/10/2012	Idrissou Abdoulaye	commerçant de betoul	97682909
	24/10/2012	Senim Bou Paul	commerçant	97241657
	24/10/2012	Tanou Sevo	transporteur, chauffeur	97071604
	24/10/2012	Gbian Ibrahim	Transporteur	97093517
	24/10/2012	Imorou S. Kanim		97076919
	24/10/2012	Moumoumi Aboubacar	Transporteur	97786660
	24/10/2012	A. djabali	Transporteur	97442259
	24/10/2012	Mama Sero	Chambre d'Agriculture	95825291
	24/10/2012	Maman Boukau		97918477
	24/10/2012	S. NASSIROA		97116836
	24/10/2012	Boukaru	Transporteur	95851420
	24/10/2012	Mongo y. Issifou	Eleveur	97220612
	24/10/2012	NASSAN Daouda	Commerçant betoul	97321594
	24/10/2012	OROU SOCIA DJIBRILA	Commerçant	97723132
	24/10/2012	Boukari Mamatou	Commerçant Nigbe	97842624
	24/10/2012	Boro Yekomo	Commerçant	97636126
	24/10/2012	Sinimbou Paul	Chambre d'Agriculture	97241657
	24/10/2012	Alhadgi Euhe nou	Commerçant/transporteur	96249812
	24/10/2012	Fadai	Commerçant/transporteur	97779296
	24/10/2012	Zounegnon Lucien	Chambre d'Agriculture	95523014
	24/10/2012	Kasse Tobou Sabi		64940652/97438027
	24/10/2012	Mama Sero Aboubakari	Chambre d'Agriculture	95825291
	24/10/2012	Boukari	Transporteur	97986660
	24/10/2012	Zoumarou	Chef	97447956/94185963
	24/10/2012	Diko Ousmane	président	96704038
	24/10/2012	Oumarou Amadou	secrétaire	97937012/95503890
	24/10/2012	Abdoulkadu O yero		97729463/95534645

33	BN 2	Parakou - Arzeke Cereals Market		
	24/10/2012	Orou Soua Djibrila	Commerçant céréale	97723122
	24/10/2012	Boukari Mariatou	Commerçant céréale	97942624
	24/10/2012	Boro Yekini	Commerçant céréale	97636126
34	BN 3	Parakou - Gema Livestock Market		
	24/10/2012	Nassam Daouda	Commerçant bétail SG association	97321594
35	BN 4	Parakou - Turu Livestock Market		
	24/10/2012	Diko Ousmane	Président association	96704038
	24/10/2012	Oumarou Amadou	Sécrétaire	97937012/95503890
	24/10/2012	Abdoulaye O. Yéro	Trésorier	97729463/95534645
	BENIN	MALANVILLE		
36	BN 5	Inspection Phytosanitaire		
	25/10/2012	Mahougbe Benjamin	Inspecteur Phytosanitaire	95843416/97701587
37	BN 6	Malanville - Cereals Market		
	25/10/2012	Issifou Souley	Commerçant Niebe	9309056/95030777
	25/10/2012	Ibrahim Issifou	Commerçant Niebe	93182895
	25/10/2012	Tanko Manon	Commerçant oignon	93163004
	25/10/2012	Balla Yahoya	Commerçant Niebe	6739017
	25/10/2012	Boubacar Issifou	Commerçant Niebe	93176633
	25/10/2012	Saddou Issa		93627590
	25/10/2012	Hama Ypoumoussa	Commerçant(SON)	64697305
	25/10/2012	Ayedou Dominique	Relais communautaire	67626728
	25/10/2012	Baobacar HANOUKOE	Chargeur	95777373
	25/10/2012	Alassan Issa	Transporteur	65305646
	26/10/2012	Adamou Nassirou	Commerçant céréales	
	26/10/2012	Moussa Boucharatou	Commerçant maïs et gari	96133040/93387050
	26/10/2012	Atchade Moustawo	Commerçant maïs et gari	97542365
	26/10/2012	Al hadj Zika	Commerçant transporteur	97598917
	26/10/2012	Moussa Assenatou	Commerçant maïs et gari	97526388/95465474
	26/10/2012	Moussa Taïbatou	Commerçant maïs et gari	96647776

	BENIN	SEGBANA		
38	BN 7	Ségbana - Cereals Market		
	27/10/2012	Koto Soupe	Producteur	95741944
	27/10/2012	ALLOLI Tehoumon	Associat	95072898
	27/10/2012	ADJEKOUA Salifou	Associat	
	27/10/2012	AROUNA Boubakari	Associat	
	27/10/2012	HOUNKANNOU Pierre	Manchand vivrier	95347484
	27/10/2012	OROU Sare N	Transporteur	
	27/10/2012	Bah Guene Alidou	Transporteur	95251244
	27/10/2012	Salifou Moumouni	Producteur	95024367
	27/10/2012	GARIBA Amadou	marchand vivrier	95072853
	27/10/2012	OTOU Kabinou	Producteur	64097955
	27/10/2012	BANI MORA Ali	Producteur	
	27/10/2012	MOSSO S. Moussa	Producteur	
	27/10/2012	BIO TAI OTOU Kpai	Transporteur(Associat)	
	27/10/2012	SARE Bani	Producteur(Associat)	95251239
	27/10/2012	MOSSO Samni Eakari	Transporteur	95177593
	27/10/2012	AMADOUMissibaou	Transporteur	95875000
	27/10/2012	SOULE Salifou	Associat	
	27/10/2012	AHITCHEME Francoise	(TG) Associat	95748794
39	BN 8	Ségbana - Livestock Market		
	27/10/2012	Djodji Yamoussa	Marde betoul	
	27/10/2012	OUMAROU Hawa	marche betail	
	27/10/2012	AMADOU Anouna	marche betail	
	27/10/2012	GAYA SouaiBou	marche betail	
	27/10/2012	ADAM Saliki	marche betail	

	BENIN	GOGOUNOU		
40	BN 9	Gogounou - Cereals Market		
	27/10/2012	Ibrahima Imoussa	UCPC	97162940/95603812
	27/10/2012	Benon Salifou	producteur/commerçant mais	95679939
	27/10/2012	Alfa Tidjani Aboubakari	commerçant mais	94821111/96249321
	27/10/2012	BANI GUEZEREIB	Transporteur	97077127
	27/10/2012	Zakari Yaya	Transporteur	96090251
	27/10/2012	SALAOU A. LAISS	Transporteur	97436155
	27/10/2012	ISSIAKA Alanane	Transporteur	95739974
	27/10/2012	ADAM Nassirou	cultivateur	95770130
	27/10/2012	YAROU yaya	chauffeur	64200723
	27/10/2012	YAROU Bio	cultivateur	96012543
	27/10/2012	ADAM Oussoumane	cultivateur	94301263
	27/10/2012	SADIKOU Salifou	commerçant mais	96280269
	27/10/2012	Imorou Ibrahim	commerçant mais	97452262
	27/10/2012	Benon Adam Karim	commerçant de mais	97429561
	27/10/2012	Sero Ayoub	commerçant de mais	97429566
	27/10/2012	Sounon Issifou	chauffeur	67124026
	27/10/2012	Yanou Seidou	Transporteur	97598694
	27/10/2012	MANA GAO Issifou	Transporteur	97760970
41	BN 10	Gogounou - Livestock Market		
	27/10/2012	GREROU Ngo K.S Gounou	commerçant a betail	95488506/97429380
	27/10/2012	BAMON BIO Amadou	commerçant betail	97452203
	27/10/2012	SABI DABA Bourandi	commerçant betail	96503997
	27/10/2012	Hadan Ibrahim	commerçant de betail	95393337
	27/10/2012	YAROU Aminou	commerçant betail	97183379
	27/10/2012	ASSOUMA Arouna	commerçant betail	96906889
	27/10/2012	Demon Charnin	betail	96249321
	27/10/2012	Gounou LAFIA	commerçant de betail	95294244
	27/10/2012	Abdoulaye Salifou	commerçant de betail	

	BENIN	NIKKI		
42	BN 11	Nikki - Cereals Market		
	28/10/2012	Layiwopa John		97111880
	28/10/2012	Djiouga Jabban		93923855
	28/10/2012	AKOMEDI Daniel	Collecteur de produits céréaliers	97758304
	28/10/2012	ADAMOUS Aboudoulaye	commerçant	65 30 18 60
	28/10/2012	ALIMI ALIDOU	Collecteur de produits céréaliers	64 42 96 95
	28/10/2012	DAOUDA Youssouf		96 24 34 85
	28/10/2012	ISSIAKA Mouaninat		94 07 09 14
	28/10/2012	ALIMI Amiya		96 49 87 03
	28/10/2012	ISSA Maitou		66 21 91 61
	28/10/2012	ASSANET Toucoucou		95 35 35 35
	28/10/2012	ZAKARI Zalia		66 95 69 70
	28/10/2012	ALIDOU TOURE Taloutou	Etudiant	97 13 72 51
	28/10/2012	ALIMI Houdou	Chaffeur	64 65 34 97
	28/10/2012	MAMA yacoubou	Collecteur de produits céréaliers	
	28/10/2012	TAMOUS SACCA	Collecteur de produits céréaliers	64 36 78 35
	28/10/2012	AMADOU ISSA	Collecteur de produits céréaliers	
	28/10/2012	ISSA Moutakilou	Collecteur de produits céréaliers	
	28/10/2012	SEYDOU YAYA	Collecteur de produits céréaliers	94 45 65 55
	28/10/2012	AROUNA Moussili	Collecteur de produits céréaliers	64 40 21 30
	28/10/2012	Mama Nafissa	Collecteur de produits céréaliers	64 75 29 05
	28/10/2012	Batsouri Lamatou	Collecteur de produits céréaliers	
	28/10/2012	Mama Amina	Collecteur de produits céréaliers	97 06 23 31
	28/10/2012	Seroyemima Fatouma	Collecteur de produits céréaliers	
	28/10/2012	AROUNA Mariamma	Collecteur de produits céréaliers	64 40 61 42
	28/10/2012	Aboudou Marian	Collecteur de produits céréaliers	
	28/10/2012	Mama Adjalla	Collecteur de produits céréaliers	94 94 41 14
	28/10/2012	Amidou Zouliatou	Collecteur de produits céréaliers	
	28/10/2012	Mama Lamatou	Collecteur de produits céréaliers	
	28/10/2012	ADAMOU ZINAN	Collecteur de produits céréaliers	
	28/10/2012	Ibrahim Lahaman	Collecteur de produits céréaliers	64 17 83 25
43	BN 12	Nikki - Livestock Market		
	28/10/2012	Alhadji Adawou Salofou	Pr Ag betail	64367620
	28/10/2012	Remy	Pr boucher	93944212/966517756
	28/10/2012	Abdul	Boucher	64191397

	BENIN	SAVE		
44	BN 13	Savé - Cereals Market		
	28/10/2012	Agbonikan Pierrette	Productrice/Commercante	66 97 55 84
	28/10/2012	Agbassa Romuald	Producteur	66 97 55 84
	28/10/2012	Woedissi Atamasse	Producteur	95 25 46 77
	28/10/2012	Toto Magloire	Commercant	95 18 54 07
	28/10/2012	POEDEGLA Francois	Producteur	97 52 85 31
	28/10/2012	Donau Elizabeth	Productrice	66 37 75 03
	28/10/2012	Agbahoungba Lucie		
	28/10/2012	AKPO Rosalie	Productrice	
	28/10/2012	Eheinnou Ruth	Productrice	
	28/10/2012	Agbassa Joseph	Producteur	97 50 98 85
	28/10/2012	Adjassou Philomene		
	28/10/2012	OKIRI A. Israel	Producteur	95 06 57 39
	28/10/2012	THOTO , Marie	Commercante	
	28/10/2012	Zonkpoedjre Eduige	Commercante	
	28/10/2012	THOTO Magloire	Producteur	
	28/10/2012	Dossoumou Fidel	Producteur	95 54 62 16
	28/10/2012	Abbassa Romualde	Producteur	
	28/10/2012	AKPO Celine	Commercante	
	28/10/2012	Akimouki Marceline	Commercante	
	28/10/2012	Ezin Celestine	Productrice	
	28/10/2012	Otchele Valerie	Commercante	
	28/10/2012	N'ada Jeacg	Producteur	95 53 85 93
	28/10/2012	N'ada Alberthine	commercante	66 43 33 20
	28/10/2012	Akimouki Julienne	commercante	95 77 90 70
	28/10/2012	Abou moussa	Conducteur	96 79 75 87
	28/10/2012	Assogba Valentin	Conducteur	97 36 05 05
	28/10/2012	Allo Esaie	Conducteur	94 81 79 13
	28/10/2012	Dimon Yakpa Simeon	Conducteur	95 35 24 52
	28/10/2012	Benon Michel	Conducteur	64 30 39 89

	BENIN	GLAZOUE		
45	BN 14	Glazoué - Cereals Market		
	29/10/2012	Atomatse Fansihou	CCR-B	97 91 80 73
	29/10/2012	Etokpo Faustin	CCR-B	95 35 77 89/97 81 28 56
	29/10/2012	Kaudore Thymote	Commerçant/Producteur	95 47 09 02
	29/10/2012	Bacho Leontine	Commercante/Productrice	97 63 20 25
	29/10/2012	Agossou Odette	Productrice	95 10 90 02
	29/10/2012	Awoku Stanislas	Producteur	95 35 73 72
	29/10/2012	Awagbe Augustin	commerçant	95 57 38 23
	29/10/2012	KANDERE Timothee	President UCR	95 47 09 02/97 81 38 98
	29/10/2012	ADIHOU Romuald	Transporteur	95 21 64 72
	29/10/2012	ADIHOU Samuel	Producteur	95 23 55 12
	29/10/2012	OLOKE A. Simon	Resp. a Production	95 21 72 65
	29/10/2012	Teltobo Pierette	commercante	95 99 91 41
	29/10/2012	Batcho Leontine		
	29/10/2012	Dossou Romain	Transporteur	94 25 74 08
	29/10/2012	Dossou Nathalie	commercante	95 63 83 94
	29/10/2012	Badjagou Marius	Producteur	66 49 55 96
	29/10/2012	AB Moothjou	Producteur	95 69 69 18
	29/10/2012	Colomous S	Producteur	97 82 99 80
	29/10/2012	Amigbe A	Producteur	95 57 38 23
	29/10/2012	Dossous Joanes	Transporteur	97 74 40 15
	29/10/2012	ABO Maurice	Transporteur	94 62 56 89
	29/10/2012	HOUNDOE Arsene	chauffeur	95 79 23 60
	BENIN	ABOMEY		
XX	NO SHOW	Abomey - Cereals Market	CONTACTS ONLY - NO MEETING	
	29/10/2012	Attemah Wassenou	Ass. Transport	95 77 42 39
	29/10/2012	Adjaho Theomas	Ass. Transport	97 19 81 14
	29/10/2012	Jean Amadah	Ass. Transport	96 24 71 70
	29/10/2012	Dagba Martal	Ass. Transport	95 79 38 94
	29/10/2012	Ababi Jules	Ass. Transport	
	29/10/2012	Abou Youuoufou	commerçant/transport	
	29/10/2012	Awissou Lazard	commerçant/transport	
	29/10/2012	Pierrete Kpatchakome	commercante	

	BENIN	BOHICON		
46	BN 15	Bohicon - Cereals Market		
	29/10/2012	MIKPON Bernadette	Commercante cereale	95 30 79 25/66 45 79 62
	29/10/2012	Akodji Marie	Commercante cereale	
	29/10/2012	Lanwoufon Marie	Commercante cereale	
	29/10/2012	Gbon Valerie	Commercante cereale	
	29/10/2012	Massanh	Commercante cereale	
	BENIN	COTONOU		
47	BN 16			
	30/10/2012	KPOTA Houda Evelyne	Commerçante céréales	97 84 92 92/95 85 58 82
	30/10/2012	Noukauvi Leontine	Commerçante céréales	97 48 01 14
	30/10/2012	Adjignon Pascal	Commerçant oignon	97 48 91 60/90 93 82 28
	30/10/2012	Guinadehou Lucien	Commerçant oignon président ass	97 19 09 51
	30/10/2012	Al Hadj Kamain	Commerçant oignon Niger	
	30/10/2012	Al Hadj Kaoloru	Commerçant oignon Niger	98 45 80 67
	30/10/2012	Al Hadj Rabion	Commerçant oignon Niger	96 15 41 53

	BENIN	DJOUGOU		
48	BN 17	Djougou - Cereals Market		
	31/10/12	Biyagui Djodji		95 94 21 85
	31/10/12	Wahab Babio	commerçant convoyeur	97 77 66 51
	31/10/12	SEIDOU Nassirou	chauffeur	97 54 88 54
	31/10/12	Garninou	commerçant transporteur	97 98 99 51
	31/10/12	SEIBOU AYOUBA	commerçant	97 98 33 02
	31/10/12	ALDOU A Zakariya	V P U NATRAB	97 67 12 67
	31/10/12	DARIRA Razakou	S U NATRAB	97 64 83 39
	31/10/12	IBRAHIM Awali	Pst COMMERCANT	97 57 91 32
	31/10/12	SOULE A. Moussa	VP. UTRAO	97 64 56 55
	31/10/12	BOUKARI Nourou	TG UTRAO	97 58 98 48
	31/10/12	Moussa A. Nassirou	TE. UNATRAB	97 47 26 36
	31/10/12	ZAKARI Moumouni	UNATRAB	97 47 52 50
	31/10/12	ABDOULAYE Malamou	UNATRAB	97 82 82 58
	31/10/12	ZATO S. Issa	UNATRAB	97 98 99 93
	31/10/12	ALIMIYAO S. Razack	UNATRAB	97 64 59 20
	31/10/12	BASSALA Anassoi	Transporteur	97 48 37 43
	31/10/12	IDRISSOU S. Sanmi	Acheteur Tropicaux	97 64 65 25
	31/10/12	MOUHAMAN Kassimou	Acheteur Tropicaux	97 15 45 56
	31/10/12	Idrissou Issa	Transporteur	97 67 88 45
	31/10/12	Ibrahim Wahabou	Transporteur	96 69 92 88
	31/10/12	ASSOUMA Imorou	Transporteur	97 44 25 91
	31/10/12	YOUSSEFOU Kadri	Transporteur	97 18 61 50
	31/10/12	DJIBRIL Halalou	Transporteur	97 67 09 73
	31/10/12	MOUHAMED Salimanaa	Transporteur	96 74 76 53
	31/10/12	ASSOUMA Nouwu	Commerçant	97 68 21 55
	31/10/12	FOUSSENI Latifou	Transporteur	97 79 58 94
	31/10/12	ROUFAI Montalabi	Transporteur	97 64 95 13
	31/10/12	Abdoulaye	Transporteur	97 98 97 28
	31/10/12	Orouy Karim Soule	President Soja	96 26 03 54
	31/10/12	BASSIROU Wassi		97 48 96 83
49	BN 18	Djougou - Livestock Market		
	31/10/12	Zikirou	Bétail	97 77 67 97
	31/10/12	SALAMANOU Kpegounou	Eleveur	97 07 88 52
	31/10/12	BOUKARI S. Gourma	Eleveur	97 77 66 07
	31/10/12	COURADJOU Akim	Eleveur	97 31 95 31
	31/10/12	LILIWANOU Moussa	Eleveur	97 87 44 13

	BENIN	OUAKE		
50	BN 19	Ouaké - Cereals Market		
	31/10/12		BENIN OUAKE 31/10/2012	
	31/10/12	Seidou Adjouba		
	31/10/12	P. Sorajou	President Sorajou	
	31/10/12	Tchaw Souradjour	Transporteur	96 28 47 51
	31/10/12	Mamam Addou Karim	Transporteur	96 61 93 28
	31/10/12	Issifou Aliassou	Transporteur	
	31/10/12	Yaya Moumouni	Transporteur	97 62 69 38
	31/10/12	B Salicen	Transporteur	66 21 71 17
	31/10/12	Biao Issaka	Transporteur	96 27 31 08
	TOGO	KETAO		
51	TG 1	Kétao - Cereals Market		
	31/10/12	A. Essogbima	(SIM) Ke	90 99 10 54
	31/10/12	L. Kouman	W/C marche	90 94 39 12
	31/10/12	A. Kpessokple	Chef Ketao	90 38 90 68
	TOGO	ATCHANGBADE		
XX	TG X	Atchangbadé		
	31/10/12	A Red Herring.	Farmers Only.	
	TOGO	LAMA KARA		
52	TG 2	Lama Kara - Cereals Market		
	31/10/12	Batman Didier	Prod. UROPC-K	90 94 96 50/ 98 56 55 56
	31/10/12	Kombate Abia	Présidente ass. Commerç céréales	91660988
	31/10/12	Ankou Ameyo	Commerçante céréales	90161849
	TOGO	ATAKPAME		
53	TG 3	Atakpamé - Cereals Market		
	31/10/12	Adidjo		90 33 66 14
	31/10/12	AGOUSSE yaovi		90 06 49 89
	31/10/12	ODAI Lassy	President Ass	90 31 92 81
	31/10/12	AMEKPO Affi	consultant	90 93 83 82
	31/10/12	EZIH Assa	vice president	90 90 53 06
	31/10/12	ADJAMAGBO Ameyo	consultant	92 29 35 01
	31/10/12	TCHEKETE yawao	secretaire	90 20 85 09

	TOGO	ANIE		
54	TG 4	Anié - Cereals Market		
	31/10/12	Mme Baya	Grp femme Vaulllaute(presidente)	90 97 18 76/ 99 60 89 16
	31/10/12	Schemin	Grp femme vaillante SG	90 37 63 70
	31/10/12	Ramanou	Commerçant céréales	90 95 86 99
	31/10/12	ABIBATOU	Commercante	91 22 37 48
	31/10/12	FATI	Commercante	90 70 85 33
	31/10/12	KOSSIWA	Commercante	
	31/10/12	BATAKONIKONE	Commercante	90 08 11 98
	31/10/12	MEZA	Commercante	91 36 19 87
	31/10/12	BARIA	Commercante	90 71 83 59
	31/10/12	DJOUWERA	Commercante	92 38 90 07
	31/10/12	Bawa Abdoul		91 25 68 57
	TOGO	LOME		
56	TG 5	Lomé - Cereals Market	Labi Dahoui	
	3/11/2012	Azia Ouro Alimata	Présidente ass. Commerç céréales	90013478
	3/11/2012	Mme Gbadohou	secetaire	90313393
	3/11/2012	Dobagbenou Agbegbe	vice president	
	3/11/2012	Issa Abibatou	Commerçante céréales	90381992
	3/11/2012	Navi Edje	Commerçante céréales	9067688
	3/11/2012	Navi Amevi	Commerçante céréales	90968536
	3/11/2012	Fo Yemah	Commerçante céréales	91918157
56	TG 5	Lomé - Onion Market	Labi Dahoui	
	3/11/2012	Sibabi Soradje	Commerçant oignon	90 27 39 02
	3/11/2012	Siko	Commerçant oignon	99 92 50 49
	3/11/2012	Da Bea	Commerçant oignon	90 09 32 75
	3/11/2012	Glowe Denis	Commerçant oignon	90166680
	3/11/2012	Dede	Commerçant oignon	90 14 92 59

	BURKINA	KANTCHARI		
59	BF 20	Kantchari - Cereals Market	Kam Dieudonné	
	10/24/2012	Ouoba Ounteni	Data collection; Membre CIC-B	+226 70 14 28 36
	10/24/2012	Samdamba Bouayamuni	Data collection; Membre CIC-B	+226 70 71 78 79
	10/24/2012	Woba Bamba	Commerçant de céréales	+226 71 06 36 37
	10/24/2012	Woba Palipougouni	Commerçant de céréales	+226 70 12 27 84
	BURKINA	BATIE		
60	BF 21	Batié - Cereals Market	Kam Dieudonné	
	10/30/2012	Ouédraogo Awa	Commerçante de céréales; Point focal à Batié	+226 76 30 55 43
	10/30/2012	Da Adjara	Commerçante de céréales	s/c 76 30 55 43
61	BF 22	Batié - Livestock Market		
	10/30/2012	Tall Salou	Commerçant de Bétaïls	+226 76 30 90 12
	BURKINA	KAMPTI		
62	BF 23	Kampti - Livestock Market	Kam Dieudonné	
	10/31/2012	Nikiema Salif	Commerçant de céréales; Point focal à Kampti	+226 76 11 55 04
	10/31/2012	Sawadogo Boukari	Commerçant de céréales	+226 78 23 32 25
	10/31/2012	Kamboré Edmon	Commerçant de céréales	
	10/31/2012	Balayira Abdou	Commerçant de céréales	
	10/31/2012	Zoungrana Saydou	Commerçant de céréales	
	10/31/2012	Kanté Moumouni	Commerçant de céréales	
	COTE D'IVOIRE	DOROPO		
63	CI 1	Doropo - Cereals Market	Kam Dieudonné	
	1/11/2012	Delbeogo Saiiba	Commerçant de céréales; Point focal à Doropo	+225 05 07 96 16
	COTE D'IVOIRE	BOUNA		
64	CI 2	Bouna - Cereals Market	Kam Dieudonné	
	1/11/2012	Mr.Moussa	Commerçant de céréales; Point focal à Bouna	+225 05 21 21 60
	COTE D'IVOIRE	BONDOUKOU		
65	CI 3	Bondoukou - Cereals Market	Kam Dieudonné	
	3/11/2012	Touré Abdoulaye	Commerçant de céréales; Point focal à Bondoukou Association EZAKAN	+225 06 82 97 07
	3/11/2012	Ouattara Yaya	Commerçant de céréales	+225 01 04 08 66
	3/11/2012	El-adji Guissé	Commerçant de céréales	+225 06 66 23 22
	GHANA	DORMAA AHENKRO		
66	GH 12	Dormea Ahenkro - Produce Market	Kam Dieudonné	
	3/11/2012	Bama Hadjara	Commerçante d'Œufs	+233 26 75 31 917